

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	B	Bodega HU, Bodega Harbor HA	11522000	Exotic Species		810 Acres	2019
Source Unknown							
1	R	Bodega HU, Estero Americano HA, Americano Creek	11530000	Nutrients		38 Miles	2019
<p><i>The Bodega HU, Estero Americano HA, Americano Creek includes the following Calwater Super Planning Watersheds (SPWs): 115.30010 and 115.30011. Water Quality Attainment strategy is attempting to increase voluntary measures for attainment of standards &amp; objectives, as was done in the Estero de San Antonio/Stemple Creek TMDL Water Quality Attainment Strategy, adopted by NCRWQCB in Dec, 97.</i></p> <p style="margin-left: 40px;"> <b>Pasture Grazing-Riparian and/or Upland</b>  <b>Range Grazing-Riparian</b>  <b>Range Grazing-Upland</b>  <b>Intensive Animal Feeding Operations</b>  <b>Manure Lagoons</b>  <b>Dairies</b> </p>							
1	E	Bodega HU, Estero Americano HA, estuary	11530012	Nutrients		199 Acres	2019
<p><i>Water Quality Attainment strategy is attempting to increase voluntary measures for attainment of standards &amp; objectives, as was done in the Estero de San Antonio/Stemple Creek TMDL Water Quality Attainment Strategy, adopted by North Coast Regional Water Quality Control Board (NCRWQCB) in Dec, 97.</i></p> <p style="margin-left: 40px;"> <b>Pasture Grazing-Riparian and/or Upland</b>  <b>Manure Lagoons</b> </p>							
<p style="margin-left: 40px;"> <b>Sedimentation/Siltation</b> </p> <p><i>Water Quality Attainment strategy is attempting to increase voluntary measures for attainment of standards &amp; objectives, as was done in the Estero de San Antonio/Stemple Creek TMDL Water Quality Attainment Strategy, adopted by NCRWQCB in Dec, 97.</i></p> <p style="margin-left: 40px;"> <b>Range Grazing-Riparian</b>  <b>Hydromodification</b>  <b>Removal of Riparian Vegetation</b>  <b>Streambank Modification/Destabilization</b>  <b>Erosion/Siltation</b>  <b>Nonpoint Source</b> </p>							

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1	R	Cape Mendocino HU, Mattole River HA, Mattole River	11230000	Temperature, water	Range Grazing-Riparian and/or Upland Silviculture Road Construction Habitat Modification Removal of Riparian Vegetation Natural Sources Nonpoint Source	503 Miles	2019
1	R	Eel River HU, Lower Eel River HA, Eel River Delta	11110000	Sedimentation/Siltation	Range Grazing-Riparian and/or Upland Silviculture Nonpoint Source	426 Miles	2019
				Temperature, water	Removal of Riparian Vegetation Nonpoint Source	426 Miles	2019
1	R	Eel River HU, Middle Fork HA	11170000	Temperature, water	Removal of Riparian Vegetation Nonpoint Source	1071 Miles	2019
				<i>USEPA will develop a TMDL for Eel River, Middle Fork.</i>			

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1	R	Eel River HU, Middle Main HA	11140000	Sedimentation/Siltation	Range Grazing-Riparian Range Grazing-Upland Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Construction/Land Development Land Development Hydromodification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation	674 Miles	2004
				Temperature, water		674 Miles	2019
				<i>USEPA has committed to developing TMDLs for sediment and temperature for the Middle Main Eel River.</i>			
					Upstream Impoundment Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation		
1	R	Eel River HU, North Fork HA	11150000	Temperature, water		382 Miles	2019
				<i>USEPA Will develop a Temperature TMDL for Eel River, North Fork.</i>			
					Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source		

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1	R	Eel River HU, South Fork HA	11130000	Temperature, water <i>USEPA will develop a temperature TMDL for the Eel River, South Fork.</i>	Hydromodification Flow Regulation/Modification Removal of Riparian Vegetation Erosion/Siltation Nonpoint Source	943 Miles	2019
1	R	Eel River HU, Upper Main HA (Includes Tomki Creek)	11160000	Sedimentation/Siltation <i>USEPA will develop a TMDL for Eel River, Upper Main Fork.</i>	Agriculture-grazing Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Construction/Land Development Highway/Road/Bridge Construction Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation	1141 Miles	2019
				Temperature, water <i>USEPA will develop a TMDL for Eel River, Upper Main Fork.</i>	Channelization Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Nonpoint Source	1141 Miles	2019
1	L	Eel River HU, Upper Main HA, Lake Pillsbury HSA, Lake Pillsbury	11163000	Mercury	Natural Sources	1973 Acres	2019

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1	R	Eureka Plain HU, Elk River	11000000	<b>Sedimentation/Siltation</b>		88 Miles	2019
				<p><i>The Eureka Plain HU, Elk River, includes the following Calwater Planning Watersheds (PWS): 110.00021, 110.00030, 110.00032, and 110.00042. Sedimentation, threat of sedimentation, impaired irrigation water quality, impaired domestic supply water quality, impaired spawning habitat, increased rate and depth of flooding due to sediment, property damage. NCRWQCB and California Department of forestry staff are involved in ongoing efforts to attain adherence to Forest Practice Rules.</i></p>			
				<p><b>Silviculture</b></p> <p><b>Harvesting, Restoration, Residue Management</b></p> <p><b>Logging Road Construction/Maintenance</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Erosion/Siltation</b></p> <p><b>Natural Sources</b></p> <p><b>Nonpoint Source</b></p>			
1	R	Eureka Plain HU, Freshwater Creek	11000000	<b>Sedimentation/Siltation</b>		84 Miles	2019
				<p><i>The Eureka Plain HU, Freshwater Creek, includes the following Calwater Planning Watersheds (PWS): 110.00011, 110.00012, 110.00014, 110.00040, and 110.00050. Sedimentation, threat of sedimentation, impaired irrigation water quality, impaired domestic supply water quality, impaired spawning habitat, increased rate and depth of flooding due to sediment, property damage. NCRWQCB and California Department of forestry staff are involved in ongoing efforts to attain adherence to Forest Practice Rules.</i></p>			
				<p><b>Silviculture</b></p> <p><b>Harvesting, Restoration, Residue Management</b></p> <p><b>Logging Road Construction/Maintenance</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Erosion/Siltation</b></p> <p><b>Natural Sources</b></p> <p><b>Nonpoint Source</b></p>			
1	B	Eureka Plain HU, Humboldt Bay	11000000	<b>PCBs (Polychlorinated biphenyls)</b>		16075 Acres	2019
				<p><i>This listing was made by USEPA.</i></p> <p><b>Source Unknown</b></p>			

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1	R	Eureka Plain HU, Jacoby Creek watershed	11000000	<b>Sediment</b>		19 Miles	2019
<p><i>The Eureka Plain HU, Jacoby Creek watershed includes the following Calwater Planning Watersheds (PWS): 110.00010 and 110.00013. The beneficial uses of Jacoby Creek appear to be threatened. Specifically, records show a decline in the salmonid fishery in Jacoby Creek, and this decline appears to be correlated with sedimentation.</i></p>							
<p><b>Silviculture</b></p>							
<p><b>Road Construction</b></p>							
<p><b>Land Development</b></p>							
<p><b>Disturbed Sites (Land Develop.)</b></p>							
<p><b>Urban Runoff/Storm Sewers</b></p>							
<p><b>Hydromodification</b></p>							
<p><b>Channelization</b></p>							
<p><b>Removal of Riparian Vegetation</b></p>							
<p><b>Streambank Modification/Destabilization</b></p>							
<p><b>Drainage/Filling Of Wetlands</b></p>							
<p><b>Channel Erosion</b></p>							
<p><b>Erosion/Siltation</b></p>							
<p><b>Sediment Resuspension</b></p>							
<p><b>Natural Sources</b></p>							
<p><b>Nonpoint Source</b></p>							
1	R	Klamath River HU, Butte Valley HA	10580000	<b>Nutrients</b>		253 Miles	2019
<p><i>The Klamath River, from source to mouth, is listed as water quality impaired (by both Oregon and California) under Section 303(d) of the Federal Clean Water Act. In 1992 the California State Water Quality Control Board (SWQCB) proposed that the Klamath River be listed for both temperature and nutrients, requiring the development of Total Maximum Daily Load (TMDL) limits and implementation plans. The United States Environmental Protection Agency (USEPA) and the NCRWQCB accepted this action in 1993. The basis for listing the Klamath River as impaired was aquatic habitat degradation due to excessively warm water temperatures and algae blooms associated with high nutrient loads, water impoundments, and agricultural water diversions.</i></p>							
<p><b>Nonpoint Source</b></p>							

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				<b>Temperature, water</b>		<b>253 Miles</b>	<b>2019</b>
				<p><i>The Klamath River, from source to mouth, is listed as water quality impaired (by both Oregon and California) under Section 303(d) of the Federal Clean Water Act. In 1992 the SWQCB proposed that the Klamath River be listed for both temperature and nutrients, requiring the development of Total Maximum Daily Load (TMDL) limits and implementation plans. The United States Environmental Protection Agency (USEPA) and the NCRWQCB accepted this action in 1993. The basis for listing the Klamath River as impaired was aquatic habitat degradation due to excessively warm water temperatures and algae blooms associated with high nutrient loads, water impoundments, and agricultural water diversions.</i></p>			
				<b>Nonpoint Source</b>			
<b>1</b>	<b>R</b>	<b>Klamath River HU, Lost River HA, Tule Lake and Mt Dome HSAs</b>	<b>10590000</b>				
				<b>Nutrients</b>		<b>612 Miles</b>	<b>2006</b>
				<p><i>The Klamath River HU, Lost River HA, Tule Lake and Mt Dome includes the following Hydrologic Sub Areas (HSAs): Mt. Dome HSA 105.91 and Tule Lake HSA 105.92. The Klamath River, from source to mouth, is listed as water quality impaired (by both Oregon and California) under Section 303(d) of the Federal Clean Water Act. In 1992 the California State Water Quality Control Board (SWQCB) proposed that the Klamath River be listed for both temperature and nutrients, requiring the development of Total Maximum Daily Load (TMDL) limits and implementation plans. The United States Environmental Protection Agency (USEPA) and the NCRWQCB accepted this action in 1993. The basis for listing the Klamath River as impaired was aquatic habitat degradation due to excessively warm water temperatures and algae blooms associated with high nutrient loads, water impoundments, and agricultural water diversions.</i></p>			
				<ul style="list-style-type: none"> <li><b>Agriculture</b></li> <li><b>Specialty Crop Production</b></li> <li><b>Agriculture-subsurface drainage</b></li> <li><b>Agriculture-irrigation tailwater</b></li> <li><b>Agricultural Return Flows</b></li> <li><b>Water Diversions</b></li> <li><b>Agricultural Water Diversion</b></li> <li><b>Habitat Modification</b></li> <li><b>Removal of Riparian Vegetation</b></li> <li><b>Drainage/Filling Of Wetlands</b></li> <li><b>Natural Sources</b></li> <li><b>Nonpoint Source</b></li> </ul>			

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1	R	Klamath River HU, Lower HA, Klamath Glen HSA	10511000	<p><b>Nutrients</b></p> <p><i>Klamath Falls (Oregon) municipal wastewater discharge, industrial facilities, and US Bureau of Reclamation pumped discharge of agricultural waste are significant sources of nutrient loads to the Klamath River as it enters California.</i></p>	<p><b>Industrial Point Sources</b></p> <p><b>Major Industrial Point Source</b></p> <p><b>Minor Industrial Point Source</b></p> <p><b>Municipal Point Sources</b></p> <p><b>Major Municipal Point Source-dry and/or wet weather discharge</b></p> <p><b>Minor Municipal Point Source-dry and/or wet weather discharge</b></p> <p><b>Agriculture</b></p> <p><b>Irrigated Crop Production</b></p> <p><b>Specialty Crop Production</b></p> <p><b>Pasture Grazing-Riparian and/or Upland</b></p> <p><b>Range Grazing-Riparian</b></p> <p><b>Intensive Animal Feeding Operations</b></p> <p><b>Agriculture-storm runoff</b></p> <p><b>Agriculture-subsurface drainage</b></p> <p><b>Agriculture-irrigation tailwater</b></p>	609 Miles	2006

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				<b>Organic Enrichment/Low Dissolved Oxygen</b>		<b>609 Miles</b>	<b>2006</b>
				<i>Klamath Falls (Oregon) municipal wastewater discharge, industrial facilities, and US Bureau of Reclamation pumped discharge of agricultural waste are significant sources of organic enrichment of Klamath River waters flowing to California.</i>			
					<b>Industrial Point Sources</b>		
					<b>Municipal Point Sources</b>		
					<b>Agriculture</b>		
					<b>Irrigated Crop Production</b>		
					<b>Specialty Crop Production</b>		
					<b>Range Grazing-Riparian</b>		
					<b>Agriculture-storm runoff</b>		
					<b>Agriculture-subsurface drainage</b>		
					<b>Agriculture-irrigation tailwater</b>		
					<b>Agriculture-animal</b>		
					<b>Upstream Impoundment</b>		
					<b>Flow Regulation/Modification</b>		
					<b>Out-of-state source</b>		
				<b>Temperature, water</b>		<b>609 Miles</b>	<b>2006</b>
				<i>Flow regulation and diversion, coupled with reduced riparian vegetative cover and darker material on the channel bottom, all contribute to elevated water temperatures.</i>			
					<b>Hydromodification</b>		
					<b>Dam Construction</b>		
					<b>Upstream Impoundment</b>		
					<b>Flow Regulation/Modification</b>		
					<b>Water Diversions</b>		
					<b>Habitat Modification</b>		
					<b>Removal of Riparian Vegetation</b>		
					<b>Channel Erosion</b>		
<b>1</b>	<b>R</b>	<b>Klamath River HU, Middle HA, Iron Gate Dam to Scott River</b>	<b>10530000</b>				
				<b>Nutrients</b>		<b>548 Miles</b>	<b>2006</b>
				<i>The Klamath River HU, Middle HA, Iron Gate Dam to Scott River includes the following Hydrologic Sub Areas (HSAs) : Beaver Creek HSA 105.35 and Hornbrook HSA 105.36. The Klamath River, from source to mouth, is listed as water quality impaired by both Oregon and California.</i>			
					<b>Out-of-state source</b>		
					<b>Nonpoint/Point Source</b>		

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				<b>Organic Enrichment/Low Dissolved Oxygen</b>		<b>548 Miles</b>	<b>2006</b>
				<i>The Klamath River HU, Middle HA, Iron Gate Dam to Scott River includes the following Hydrologic Sub Areas (HSAs) : Beaver Creek HSA 105.35 and Hornbrook HSA 105.36. The impairment listing regarding dissolved oxygen was prompted by a 1997 United States Fish and Wildlife Service Report.</i>			
				<b>Out-of-state source</b>			
				<b>Nonpoint/Point Source</b>			
				<b>Temperature, water</b>		<b>548 Miles</b>	<b>2006</b>
				<i>The Klamath River HU, Middle HA, Iron Gate Dam to Scott River includes the following Hydrologic Sub Areas (HSAs) : Beaver Creek HSA 105.35 and Hornbrook HSA 105.36.</i>			
				<b>Hydromodification</b>			
				<b>Upstream Impoundment</b>			
				<b>Flow Regulation/Modification</b>			
				<b>Habitat Modification</b>			
				<b>Removal of Riparian Vegetation</b>			
				<b>Nonpoint Source</b>			
<b>1</b>	<b>R</b>	<b>Klamath River HU, Middle HA, Oregon to Iron Gate</b>	<b>10530000</b>				
				<b>Nutrients</b>		<b>129 Miles</b>	<b>2006</b>
				<i>The Klamath River HU, Middle HA, Oregon to Iron Gate Dam includes the following Hydrologic Sub Areas (HSAs): Iron Gate HSA 115.37 and Copco HSA 105.38.</i>			
				<b>Industrial Point Sources</b>			
				<b>Municipal Point Sources</b>			
				<b>Agriculture</b>			
				<b>Specialty Crop Production</b>			
				<b>Agricultural Return Flows</b>			
				<b>Internal Nutrient Cycling (primarily lakes)</b>			
				<b>Natural Sources</b>			
				<b>Nonpoint Source</b>			

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			<b>Organic Enrichment/Low Dissolved Oxygen</b>		<b>129 Miles</b>	<b>2006</b>
			<i>The Klamath River HU, Middle HA, Oregon to Iron Gate Dam includes the following Hydrologic Sub Areas (HSAs): Iron Gate HSA 115.37 and Copco HSA 105.38.</i>			
				<b>Industrial Point Sources</b>		
				<b>Municipal Point Sources</b>		
				<b>Agriculture</b>		
				<b>Irrigated Crop Production</b>		
				<b>Specialty Crop Production</b>		
				<b>Range Grazing-Riparian and/or Upland</b>		
				<b>Agriculture-storm runoff</b>		
				<b>Agriculture-subsurface drainage</b>		
				<b>Agriculture-irrigation tailwater</b>		
				<b>Agriculture-animal</b>		
				<b>Upstream Impoundment</b>		
				<b>Flow Regulation/Modification</b>		
				<b>Out-of-state source</b>		
			<b>Temperature, water</b>		<b>129 Miles</b>	<b>2006</b>
			<i>The Klamath River HU, Middle HA, Oregon to Iron Gate Dam includes the following Hydrologic Sub Areas (HSAs): Iron Gate HSA 115.37 and Copco HSA 105.38.</i>			
				<b>Hydromodification</b>		
				<b>Upstream Impoundment</b>		
				<b>Flow Regulation/Modification</b>		
				<b>Nonpoint Source</b>		

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1	R	Klamath River HU, Middle HA, Scott River to Trinity River	10500000	<b>Nutrients</b>		1389 Miles	2006
				<i>The Klamath River HU, Middle HA, Scott River to Trinity River includes the following Hydrologic Sub Areas (HSAs) : Orleans HSA 105.12, Ukonom HSA 105.31, Happy Camp HSA 105.32, and Seiad Valley HSA 105.33</i>			
				<b>Industrial Point Sources</b>			
				<b>Municipal Point Sources</b>			
				<b>Agriculture</b>			
				<b>Agriculture-storm runoff</b>			
				<b>Agriculture-irrigation tailwater</b>			
				<b>Wastewater - land disposal</b>			
				<b>Upstream Impoundment</b>			
				<b>Natural Sources</b>			
				<b>Nonpoint Source</b>			
				<b>Out-of-state source</b>			
				<b>Organic Enrichment/Low Dissolved Oxygen</b>		1389 Miles	2006
				<i>The Klamath River HU, Middle HA, Scott River to Trinity River includes the following Hydrologic Sub Areas (HSAs) : Orleans HSA 105.12, Ukonom HSA 105.31, Happy Camp HSA 105.32, and Seiad Valley HSA 105.33</i>			
				<b>Industrial Point Sources</b>			
				<b>Municipal Point Sources</b>			
				<b>Combined Sewer Overflow</b>			
				<b>Agriculture</b>			
				<b>Agriculture-storm runoff</b>			
				<b>Agriculture-irrigation tailwater</b>			
				<b>Upstream Impoundment</b>			
				<b>Flow Regulation/Modification</b>			
				<b>Out-of-state source</b>			

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				Temperature, water		1389 Miles	2006
				<i>The Klamath River HU, Middle HA, Scott River to Trinity River includes the following Hydrologic Sub Areas (HSAs) : Orleans HSA 105.12, Ukonom HSA 105.31, Happy Camp HSA 105.32, and Seiad Valley HSA 105.33</i>			
				<ul style="list-style-type: none"> <li>Hydromodification</li> <li>Channelization</li> <li>Dam Construction</li> <li>Upstream Impoundment</li> <li>Flow Regulation/Modification</li> <li>Water Diversions</li> <li>Habitat Modification</li> <li>Removal of Riparian Vegetation</li> <li>Streambank Modification/Destabilization</li> <li>Drainage/Filling Of Wetlands</li> <li>Natural Sources</li> <li>Nonpoint Source</li> </ul>			
1	R	Klamath River HU, Shasta River HA	10550000	Organic Enrichment/Low Dissolved Oxygen		630 Miles	0000
					<ul style="list-style-type: none"> <li>Minor Municipal Point Source-dry and/or wet weather discharge</li> <li>Agriculture-storm runoff</li> <li>Agriculture-irrigation tailwater</li> <li>Dairies</li> <li>Hydromodification</li> <li>Dam Construction</li> <li>Flow Regulation/Modification</li> <li>Habitat Modification</li> </ul>		
				Temperature, water		630 Miles	0000
					<ul style="list-style-type: none"> <li>Agriculture-irrigation tailwater</li> <li>Flow Regulation/Modification</li> <li>Habitat Modification</li> <li>Removal of Riparian Vegetation</li> <li>Drainage/Filling Of Wetlands</li> </ul>		

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1	L	Klamath River HU, Tule Lake and Lower Klamath Lake National Wildlife Refuge	10590000	<p><b>pH (high)</b></p> <p><i>The Klamath River HU, Tule Lake and Lower Klamath Lake National Wildlife Refuge includes the following Calwater Planning Watersheds (PWS): Lower Klamath Lake National Wildlife Refuge PWS 105.91020 and Tule Lake PWS 105.92020. The pH of surface water can influence the toxicity of dissolved materials resulting in synergistic and direct effects on biological systems. High pH levels influence ammonia concentrations which can be toxic to fish. In addition, high pH levels can increase the solubility of minerals and metals, which can affect fish and other aquatic organisms. Photosynthetic activity of algae effects carbonate cycling, which influences pH. Elevated pH levels in Tule Lake and Lower Klamath Lake National Wildlife Refuge are likely due to photosynthetic activity of algae.</i></p> <p><b>Internal Nutrient Cycling (primarily lakes)</b></p> <p><b>Nonpoint Source</b></p>	<p><b>26998 Acres</b></p>	<p><b>2006</b></p>	
1	R	Mad River HU, Mad River	10900000	<p><b>Sedimentation/Siltation</b></p> <p><i>USEPA will develop TMDL for the Mad River. Sediment TMDLS will be developed for the area tributary to and including: (1) the Mad River (North Fork), (2) the mad River (Upper), and (3) the Mad River (Middle).</i></p> <p><b>Silviculture</b></p> <p><b>Resource Extraction</b></p> <p><b>Nonpoint Source</b></p>	<p><b>654 Miles</b></p>	<p><b>2019</b></p>	
				<p><b>Temperature, water</b></p> <p><i>Recent (1997-2000) temperature data collected on the mainstem of the Mad River indicate that high temperature levels may be a source of impairment of cold water fisheries in the river. Data were available from 11 locations, with at least two years of record at most locations. MWAT values at all of the 11 locations exceeded 20°C, and are higher than any available temperature criteria for sub-lethal effects (reduced growth) on juvenile salmonids. Records also indicate that maximum temperatures at most of the 11 locations in most years are higher than 24°C.</i></p> <p><b>Upstream Impoundment</b></p> <p><b>Flow Regulation/Modification</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Nonpoint Source</b></p> <p><b>Unknown Nonpoint Source</b></p>	<p><b>654 Miles</b></p>	<p><b>2019</b></p>	
				<p><b>Turbidity</b></p> <p><i>Turbidity TMDLs will be developed for the area tributary to and including: (1) the Mad River (North Fork), (2) the Mad River (Upper), and (3) the Mad River (Middle).</i></p> <p><b>Silviculture</b></p> <p><b>Resource Extraction</b></p> <p><b>Nonpoint Source</b></p>	<p><b>654 Miles</b></p>	<p><b>2019</b></p>	

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Mendocino Coast HU, Albion River HA, Albion River	11340000	Temperature, water	Source Unknown	91 Miles	2019
1	R	Mendocino Coast HU, Big River HA, Big River	11330000	Temperature, water	<p><i>The most sensitive beneficial uses supported by the Big River include uses associated with the cold water fishery and municipal and domestic supply. The Big River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Populations of coho salmon and steelhead trout in the Big River are extremely low compared to historical levels. Recent (1996-2000) temperature data gathered in the Big River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the river. This listing is specific to the area of the watershed from the confluence with the North Fork Big River, including the watersheds of the mainstem Big and the North Fork Big.</i></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Drainage/Filling Of Wetlands</b></p> <p><b>Erosion/Siltation</b></p> <p><b>Nonpoint Source</b></p>	225 Miles	2019
1	R	Mendocino Coast HU, Garcia River HA, Garcia River	11370000	Temperature, water	<p><i>Elevated temperatures impacting coldwater fisheries in these reaches and sub_areas: Planning Units 113.70010 (Pardaloe Creek), 113.70011, 12, 13, 14, 20, 21 and the entire mainstem Garcia River from Pardaloe Creek to the estuary, which includes that portion of 113.70022, 23, 24, 25, and 26. February 2002- The Garcia River TMDL for sediment has been adopted by NCRWQCB and approved by SWRCB and Office of Administrative Law. It is possible that voluntary compliance with measures in this TMDL will improve conditions related to temperature prior to development of a TMDL for temperature.</i></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Nonpoint Source</b></p>	154 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Mendocino Coast HU, Gualala River HA, Gualala River	11380000	Temperature, water  <i>Recent (1994-2000) temperature data collected in the Gualala River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed. Temperatures in the Little North Fork are generally below threshold levels and appear to exhibit properly functioning conditions with respect to stream temperature. The Gualala River is listed for temperature, with the exception of the Little North Fork.</i>	Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Nonpoint Source	455 Miles	2019
1	R	Mendocino Coast HU, Navarro River HA	11350000	Temperature, water  <i>Temperature TMDLs have been developed for: (1) the area tributary to and including the Navarro River above Philo and (2) the area tributary to and including the Navarro River below Philo.</i>	Agriculture Agricultural Return Flows Resource Extraction Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Nonpoint Source	415 Miles	2019
1	R	Mendocino Coast HU, Noyo River HA, Noyo River	11320000	Temperature, water  <i>This listing only applies to the following areas of the Noyo River watershed:---The Noyo River mainstem from the confluence of Duffy Gulch downstream to the confluence with Hayshed Gulch;---The South Fork Noyo River mainstem from the confluence of Kass Creek downstream to the confluence with Noyo River mainstem; and ---The Little North Fork Noyo River, Duffy Gulch, and Kass Creek tributaries.</i>	Source Unknown	144 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Mendocino Coast HU, Noyo River HA, Pudding Creek	11320050	Temperature, water	Source Unknown	24 Miles	2019
1	R	Mendocino Coast HU, Rockport HA, Ten Mile River HSA	11310000	Temperature, water	Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	162 Miles	2019
1	R	Redwood Creek HU, Redwood Creek	10700000	Temperature, water	Recent (1994-2001) temperature data collected in the Redwood Creek watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the river. Logging Road Construction/Maintenance Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Natural Sources Nonpoint Source	332 Miles	2019
1	R	Russian River HU, Lower Russian River HA, Austin Creek HSA	11412000	Sedimentation/Siltation	Silviculture Construction/Land Development Disturbed Sites (Land Develop.) Dam Construction Flow Regulation/Modification Erosion/Siltation	81 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Temperature, water</b>		<b>81 Miles</b>	<b>2019</b>
				<i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i>			
				<b>Hydromodification</b> <b>Flow Regulation/Modification</b> <b>Habitat Modification</b> <b>Removal of Riparian Vegetation</b> <b>Nonpoint Source</b>			
<b>1</b>	<b>R</b>	<b>Russian River HU, Lower Russian River HA, Guerneville HSA</b>	<b>11411000</b>				
				<b>Pathogens</b>		<b>195 Miles</b>	<b>2008</b>
				<i>Listing covers only the Monte Rio area of this watershed from the confluence of Dutch Bill Creek to the confluence of Fife Creek and Healdsburg Memorial Beach from the Hwy 101 crossing to the railroad crossing upstream of the Beach.</i>			
				<b>Nonpoint/Point Source</b>			
				<b>pH</b>		<b>195 Miles</b>	<b>2019</b>
				<i>Listing only applies to Pocket Canyon Creek , a tributary to the lower Russian River within the greater Guerneville HSA.</i>			
				<b>Source Unknown</b>			

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Sedimentation/Siltation</b>		<b>195 Miles</b>	<b>2019</b>
			<i>Sediment impacts in Russian River tributaries prompted listing entire Russian River watershed for sediment .</i>			
				<b>Agriculture</b>		
				<b>Irrigated Crop Production</b>		
				<b>Specialty Crop Production</b>		
				<b>Agriculture-storm runoff</b>		
				<b>Agriculture-grazing</b>		
				<b>Silviculture</b>		
				<b>Construction/Land Development</b>		
				<b>Highway/Road/Bridge Construction</b>		
				<b>Land Development</b>		
				<b>Hydromodification</b>		
				<b>Channelization</b>		
				<b>Dam Construction</b>		
				<b>Upstream Impoundment</b>		
				<b>Flow Regulation/Modification</b>		
				<b>Habitat Modification</b>		
				<b>Removal of Riparian Vegetation</b>		
				<b>Streambank Modification/Destabilization</b>		
				<b>Drainage/Filling Of Wetlands</b>		
				<b>Channel Erosion</b>		
				<b>Erosion/Siltation</b>		
			<b>Temperature, water</b>		<b>195 Miles</b>	<b>2019</b>
			<i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i>			
				<b>Hydromodification</b>		
				<b>Upstream Impoundment</b>		
				<b>Flow Regulation/Modification</b>		
				<b>Habitat Modification</b>		
				<b>Removal of Riparian Vegetation</b>		
				<b>Streambank Modification/Destabilization</b>		
				<b>Nonpoint Source</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River HU, Middle Russian River HA, Big Sulphur Creek HSA	11426000	<b>Sedimentation/Siltation</b> <i>Sediment impacts in Russian River tributaries prompted listing entire Russian River watershed for sediment .</i>	<b>Geothermal Development</b> <b>Erosion/Siltation</b> <b>Nonpoint Source</b>	85 Miles	2019
				<b>Specific Conductivity</b>	<b>Source Unknown</b>	85 Miles	2019
				<b>Temperature, water</b> <i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i>	<b>Flow Regulation/Modification</b> <b>Habitat Modification</b> <b>Removal of Riparian Vegetation</b> <b>Nonpoint Source</b>	85 Miles	2019

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River HU, Middle Russian River HA, Geyserville HSA	11425000	<b>Sedimentation/Siltation</b> <i>Sediment impacts in Russian River tributaries prompted listing entire Russian River watershed for sediment TMDL.</i>	<b>Agriculture</b> Nonirrigated Crop Production Irrigated Crop Production Specialty Crop Production Range Grazing-Riparian Range Grazing-Upland Agriculture-storm runoff Agriculture-grazing Silviculture Construction/Land Development Geothermal Development Disturbed Sites (Land Develop.) Surface Runoff Resource Extraction Channelization Bridge Construction Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Natural Sources Nonpoint Source	242 Miles	2019

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Temperature, water</b>		<b>242 Miles</b>	<b>2019</b>
				<p><i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i></p>			
				<p><b>Flow Regulation/Modification</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Nonpoint Source</b></p>			
1	R	Russian River HU, Middle Russian River HA, Laguna de Santa Rosa	11421000	<b>Low Dissolved Oxygen</b>		<b>96 Miles</b>	<b>2008</b>
				<p><i>The Laguna de Santa Rosa was added to the 303(d) List in 1990 for high levels of ammonia and low dissolved oxygen (DO) concentrations. A TMDL was completed for the Laguna for ammonia and dissolved oxygen in 1995. The TMDL concluded that high ammonia levels in the Laguna were the result of point and non-point source nitrogen inputs of various forms. Low dissolved oxygen concentrations were a result of inputs of organic matter and nutrients which stimulate algal growth and subsequently cause depressed dissolved oxygen levels when the algae dies and decays. The TMDL took the form of a Waste Reduction Strategy (WRS) which addressed the reduction of nitrogen loading from point and non-point sources. With the implementation of the WRS and operational improvements at the City of Santa Rosa Waste Water Treatment Plant as well as improvements in waste storage and disposal activities at local dairies, nitrogen inputs to the Laguna were significantly reduced. Following implementation of the WRS and the subsequent attainment of nitrogen-ammonia interim concentration goals, as stated in the WRS, the Laguna was removed from the 303(d) List for ammonia and dissolved oxygen in 1998, pursuant to a recommendation by US EPA. However, dissolved oxygen levels in the Laguna continue to fall below the Regional Water Board Basin Plan minimum DO objective of 7.0 mg/L and in many cases fluctuate significantly on a daily and seasonal basis. Based on available information, it appears that phosphorus may contribute to the dissolved oxygen fluctuations. However, the cause of the low dissolved oxygen levels is not certain. While elevated phosphorus levels may contribute to low DO, nitrogen to phosphorus ratios, based on recent Laguna measurements, indicate that nitrogen may be the macronutrient controlling plant growth in the Laguna. A TMDL addressing nutrients (both nitrogen and phosphorus) and dissolved oxygen is necessary for water quality objective attainment.</i></p>			
				<p><b>Internal Nutrient Cycling (primarily lakes)</b></p> <p><b>Nonpoint Source</b></p> <p><b>Point Source</b></p>			
				<b>Mercury</b>		<b>96 Miles</b>	<b>2019</b>
				<p><b>Source Unknown</b></p>			

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Nitrogen</b>		96 Miles	2019
			<i>This listing was made by USEPA.</i>			
				Internal Nutrient Cycling (primarily lakes)		
				Nonpoint Source		
				Point Source		
			<b>Phosphorus</b>		96 Miles	2019
			<i>This listing was made by USEPA.</i>			
				Internal Nutrient Cycling (primarily lakes)		
				Nonpoint Source		
				Point Source		
			<b>Sedimentation/Siltation</b>		96 Miles	2019
			<i>Entire Russian River watershed (including Laguna de Santa Rosa) is listed for sedimentation.</i>			
				Road Construction		
				Land Development		
				Disturbed Sites (Land Develop.)		
				Urban Runoff/Storm Sewers		
				Other Urban Runoff		
				Highway/Road/Bridge Runoff		
				Hydromodification		
				Channelization		
				Removal of Riparian Vegetation		
				Streambank Modification/Destabilization		
				Drainage/Filling Of Wetlands		
				Channel Erosion		
				Erosion/Siltation		
				Erosion From Derelict Land		
				Highway Maintenance and Runoff		
				Nonpoint Source		

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Temperature, water		96 Miles	2008
			<p><i>Entire Russian River watershed (including Laguna de Santa Rosa) is listed for temperature. The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i></p>			
				Hydromodification		
				Upstream Impoundment		
				Removal of Riparian Vegetation		
				Streambank Modification/Destabilization		
				Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River HU, Middle Russian River HA, Mark West Creek HSA	11423000	Sedimentation/Siltation		99 Miles	2019
				<i>Russian River Watershed tributary sediment impairments led to listing of entire watershed for sediment .</i>			
				Agriculture			
				Irrigated Crop Production			
				Specialty Crop Production			
				Range Grazing-Riparian and/or Upland			
				Range Grazing-Riparian			
				Intensive Animal Feeding Operations			
				Agriculture-storm runoff			
				Agriculture-grazing			
				Silviculture			
				Harvesting, Restoration, Residue Management			
				Construction/Land Development			
				Highway/Road/Bridge Construction			
				Land Development			
				Disturbed Sites (Land Develop.)			
				Other Urban Runoff			
				Surface Runoff			
				Removal of Riparian Vegetation			
				Streambank Modification/Destabilization			
				Drainage/Filling Of Wetlands			
				Channel Erosion			
				Erosion/Siltation			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature, water		99 Miles	2019
				<p><i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i></p>			
					<p><b>Hydromodification</b>  <b>Upstream Impoundment</b>  <b>Flow Regulation/Modification</b>  <b>Habitat Modification</b>  <b>Removal of Riparian Vegetation</b>  <b>Streambank Modification/Destabilization</b>  <b>Nonpoint Source</b></p>		
1	R	Russian River HU, Middle Russian River HA, Santa Rosa Creek	11422000	Pathogens		87 Miles	2008
					<p><b>Nonpoint Source</b>  <b>Point Source</b></p>		

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Sedimentation/Siltation		87 Miles	2019
			<i>Entire Russian River watershed (including Santa Rosa Creek) is listed for sedimentation.</i>			
				Agriculture		
				Nonirrigated Crop Production		
				Irrigated Crop Production		
				Specialty Crop Production		
				Pasture Grazing-Riparian and/or Upland		
				Range Grazing-Riparian		
				Range Grazing-Upland		
				Dairies		
				Construction/Land Development		
				Highway/Road/Bridge Construction		
				Land Development		
				Urban Runoff/Storm Sewers		
				Urban Runoff--Non-industrial Permitted		
				Other Urban Runoff		
				Surface Runoff		
				Hydromodification		
				Channelization		
				Bridge Construction		
				Habitat Modification		
				Removal of Riparian Vegetation		
				Streambank Modification/Destabilization		
				Drainage/Filling Of Wetlands		
				Channel Erosion		
				Erosion/Siltation		
				Natural Sources		
				Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Temperature, water		87 Miles	2019
				<i>Entire Russian River watershed (including Santa Rosa Creek) is listed for temperature.</i>			
					Hydromodification		
					Upstream Impoundment		
					Removal of Riparian Vegetation		
					Streambank Modification/Destabilization		
					Nonpoint Source		
1	R	Russian River HU, Middle Russian River HA, Warm Springs HSA	11424000	Sedimentation/Siltation		255 Miles	2019
				<i>Sediment impacts in Russian River tributaries prompted listing entire Russian River watershed for sediment .</i>			
					Agriculture		
					Agriculture-storm runoff		
					Silviculture		
					Logging Road Construction/Maintenance		
					Construction/Land Development		
					Highway/Road/Bridge Construction		
					Disturbed Sites (Land Develop.)		
					Hydromodification		
					Channelization		
					Dam Construction		
					Upstream Impoundment		
					Flow Regulation/Modification		
					Habitat Modification		
					Removal of Riparian Vegetation		
					Streambank Modification/Destabilization		
					Drainage/Filling Of Wetlands		
					Channel Erosion		
					Erosion/Siltation		
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Temperature, water</b>		255 Miles	2019
				<p><i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i></p>			
				<p><b>Hydromodification</b></p> <p><b>Upstream Impoundment</b></p> <p><b>Flow Regulation/Modification</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Nonpoint Source</b></p>			
1	L	Russian River HU, Middle Russian River HA, Warm Springs HSA, Lake Sonoma [Reservoir]	11424000	<b>Mercury</b>		2377 Acres	2019
				<p><i>The Russian River HU, Middle Russian River HA, Warm Springs HSA, Lake Sonoma [Reservoir] includes the following Calwater Planning Watersheds (PWS): 114.24022, 114.24030 and 114.24032.</i></p>			
				<p><b>Resource Extraction</b></p> <p><b>Nonpoint Source</b></p>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River HU, Upper Russian River HA, Coyote Valley HSA	11432000	<p><b>Sedimentation/Siltation</b></p> <p><i>Russian River Watershed tributary sediment impairments led to listing of entire watershed for sediment .</i></p> <p><b>Agriculture</b></p> <p><b>Silviculture</b></p> <p><b>Construction/Land Development</b></p> <p><b>Hydromodification</b></p> <p><b>Channelization</b></p> <p><b>Dam Construction</b></p> <p><b>Flow Regulation/Modification</b></p> <p><b>Bridge Construction</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Drainage/Filling Of Wetlands</b></p> <p><b>Channel Erosion</b></p> <p><b>Erosion/Siltation</b></p>		171 Miles	2019
				<p><b>Temperature, water</b></p> <p><i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i></p> <p><b>Hydromodification</b></p> <p><b>Upstream Impoundment</b></p> <p><b>Flow Regulation/Modification</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Nonpoint Source</b></p>		171 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	L	Russian River HU, Upper Russian River HA, Coyote Valley HSA, Lake Mendocino [Reservoir]	11432060	Mercury	Resource Extraction Nonpoint Source	1704 Acres	2019
1	R	Russian River HU, Upper Russian River HA, Forsythe Creek HSA	11433000	Sedimentation/Siltation <i>Russian River Watershed tributary sediment impairments led to listing of entire watershed for sediment .</i> Erosion/Siltation Nonpoint Source	Temperature, water <i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i> Hydromodification Upstream Impoundment Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source	122 Miles  122 Miles	2019  2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Russian River HU, Upper Russian River HA, Ukiah HSA	11431000	<p><b>Sedimentation/Siltation</b></p> <p><i>Russian River Watershed tributary sediment impairments led to listing of entire watershed for sediment .</i></p> <p><b>Agriculture</b></p> <p><b>Silviculture</b></p> <p><b>Construction/Land Development</b></p> <p><b>Resource Extraction</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Drainage/Filling Of Wetlands</b></p> <p><b>Channel Erosion</b></p> <p><b>Erosion/Siltation</b></p> <p><b>Highway Maintenance and Runoff</b></p> <p><b>Natural Sources</b></p>	460 Miles	2019	
				<p><b>Temperature, water</b></p> <p><i>The most sensitive beneficial uses supported by the Russian River include uses associated with the cold water fishery and municipal and domestic supply. The Russian River provides habitat for coho salmon and steelhead trout, which are listed as a threatened species under the federal Endangered Species Act. Recent (1997-2000) temperature data collected in the Russian River watershed indicate that high temperature levels may be a source of impairment of cold water fisheries in the watershed.</i></p> <p><b>Hydromodification</b></p> <p><b>Upstream Impoundment</b></p> <p><b>Flow Regulation/Modification</b></p> <p><b>Habitat Modification</b></p> <p><b>Removal of Riparian Vegetation</b></p> <p><b>Streambank Modification/Destabilization</b></p> <p><b>Nonpoint Source</b></p>	460 Miles	2019	
1	L	Trinity Lake (was Claire Engle Lake)	10640000	<p><b>Mercury</b></p> <p><b>Source Unknown</b></p>	15985 Acres	2019	

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
1	R	Trinity River HU, South Fork HA	10620000	Temperature, water <i>Elevated temperatures impact coldwater fisheries. USEPA will be developing temperature TMDL for South Fork Trinity River.</i>		1161 Miles	2019
					Range Grazing-Riparian Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization		
1	R	Trinity River HU, Upper HA, Trinity River, East Fork	10640000	Mercury <i>The Trinity River HU, Upper HA, Trinity River, East Fork includes the following Calwater Super Planning Watersheds (SPWs): Mumbo Creek SPW 106.40030 and Blue Ridge SPW 106.40040.</i>		92 Miles	2019
					Source Unknown		
2	R	Alameda Creek	20430051	Diazinon <i>This listing was made by USEPA.</i>		51 Miles	2005
					Urban Runoff/Storm Sewers		
2	R	Alamitos Creek	20540041	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		7.1 Miles	2006
					Mine Tailings		
2	L	Anderson Reservoir	20530050	Mercury		1013 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		1013 Acres	2019
					Source Unknown		
2	R	Arroyo Corte Madera Del Presidio	20320020	Diazinon <i>This listing was made by USEPA.</i>		4 Miles	2005
					Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Arroyo De La Laguna	20430084	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	7.4 Miles	2005
2	R	Arroyo Del Valle	20430023	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	31 Miles	2005
2	R	Arroyo Las Positas	20430080	Diazinon	Urban Runoff/Storm Sewers	14 Miles	2005
2	R	Arroyo Mocho	20430080	Diazinon	Urban Runoff/Storm Sewers	34 Miles	2005
2	L	Bon Tempe Reservoir	20113020	Mercury	Source Unknown	120 Acres	2019
2	R	Butano Creek	20240031	Sedimentation/Siltation <i>Impairment to steelhead habitat.</i>	Nonpoint Source	3.6 Miles	2019
2	R	Calabazas Creek	20640012	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	4.7 Miles	2005
2	L	Calero Reservoir	20540031	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>	Surface Mining Mine Tailings	334 Acres	2006

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	E	Carquinez Strait	20710020	<b>Chlordane</b>		5657 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>DDT</b>		5657 Acres	2008
					<b>Nonpoint Source</b>		
				<b>Dieldrin</b>		5657 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		5657 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
					<b>Atmospheric Deposition</b>		
				<b>Exotic Species</b>		5657 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
					<b>Ballast Water</b>		
				<b>Furan Compounds</b>		5657 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
					<b>Atmospheric Deposition</b>		
				<b>Mercury</b>		5657 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
					<b>Industrial Point Sources</b>		
					<b>Municipal Point Sources</b>		
					<b>Resource Extraction</b>		
					<b>Atmospheric Deposition</b>		
					<b>Natural Sources</b>		
					<b>Nonpoint Source</b>		
				<b>PCBs (Polychlorinated biphenyls)</b>		5657 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
					<b>Unknown Nonpoint Source</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		5657 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>Selenium</b>		5657 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				<b>Industrial Point Sources</b>			
				<b>Agriculture</b>			
2	E	Castro Cove, Richmond (San Pablo Basin)	20660014	<b>Dieldrin (sediment)</b>		71 Acres	2008
					<b>Urban Runoff/Storm Sewers Point Source</b>		
				<b>Mercury (sediment)</b>		71 Acres	2006
					<b>Urban Runoff/Storm Sewers Point Source</b>		
				<b>PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)</b>		71 Acres	2019
					<b>Urban Runoff/Storm Sewers Point Source</b>		
				<b>Selenium (sediment)</b>		71 Acres	2019
					<b>Urban Runoff/Storm Sewers Point Source</b>		
2	B	Central Basin, San Francisco (part of SF Bay, Central)	20440010	<b>Chlordane</b>		40 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>DDT</b>		40 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dieldrin</b>		40 Acres	2019
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			

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			<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		<b>40 Acres</b>	<b>2019</b>
			<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
			<b>Atmospheric Deposition</b>			
			<b>Exotic Species</b>		<b>40 Acres</b>	<b>2019</b>
			<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
			<b>Ballast Water</b>			
			<b>Furan Compounds</b>		<b>40 Acres</b>	<b>2019</b>
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
			<b>Atmospheric Deposition</b>			
			<b>Mercury</b>		<b>40 Acres</b>	<b>2006</b>
			<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
			<b>Industrial Point Sources</b>			
			<b>Minor Industrial Point Source</b>			
			<b>Municipal Point Sources</b>			
			<b>Resource Extraction</b>			
			<b>Atmospheric Deposition</b>			
			<b>Natural Sources</b>			
			<b>Nonpoint Source</b>			
			<b>Mercury (sediment)</b>		<b>40 Acres</b>	<b>2006</b>
			<b>Urban Runoff/Storm Sewers</b>			
			<b>Point Source</b>			
			<b>PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)</b>		<b>40 Acres</b>	<b>2019</b>
			<b>Urban Runoff/Storm Sewers</b>			
			<b>Point Source</b>			
			<b>PCBs (Polychlorinated biphenyls)</b>		<b>40 Acres</b>	<b>2006</b>
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			<b>Unknown Nonpoint Source</b>			

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				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		<b>40 Acres</b>	<b>2019</b>
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5,-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>Selenium</b>		<b>40 Acres</b>	<b>2019</b>
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				<b>Industrial Point Sources</b>			
				<b>Agriculture</b>			
				<b>Natural Sources</b>			
				<b>Exotic Species</b>			
2	R	Corte Madera Creek	20320011	<b>Diazinon</b>		<b>4.1 Miles</b>	<b>2005</b>
				<i>This listing was made by USEPA.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
2	R	Coyote Creek (Marin County)	20320020	<b>Diazinon</b>		<b>2.6 Miles</b>	<b>2005</b>
				<i>This listing was made by USEPA.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
2	R	Coyote Creek (Santa Clara Co.)	20530021	<b>Diazinon</b>		<b>55 Miles</b>	<b>2005</b>
				<i>This listing was made by USEPA.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
2	L	Del Valle Reservoir	20430024	<b>Mercury</b>		<b>1022 Acres</b>	<b>2019</b>
				<b>Source Unknown</b>			
				<b>PCBs (Polychlorinated biphenyls)</b>		<b>1022 Acres</b>	<b>2019</b>
				<b>Source Unknown</b>			

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2	R	Gallinas Creek	20620013	Diazinon <i>This listing was made by USEPA.</i>		2.1 Miles	2005
Urban Runoff/Storm Sewers							
2	R	Guadalupe Creek	20540050	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		8.1 Miles	2006
Mine Tailings							
2	L	Guadalupe Reservoir	20540040	Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		63 Acres	2006
Surface Mining Mine Tailings							
2	R	Guadalupe River	20540050	Diazinon <i>This listing was made by USEPA.</i>		18 Miles	2005
Urban Runoff/Storm Sewers							
				Mercury <i>TMDL will be developed as part of the Santa Clara Basin Watershed Management Initiative. Additional monitoring and assessment is needed.</i>		18 Miles	2006
Mine Tailings							
2	E	Islais Creek	20440010	Ammonia		46 Acres	2019
Industrial Point Sources Combined Sewer Overflow							
				Chlordane (sediment)		46 Acres	2008
Industrial Point Sources Combined Sewer Overflow							
				Dieldrin (sediment)		46 Acres	2008
Industrial Point Sources Combined Sewer Overflow							

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				Hydrogen Sulfide		46 Acres	2019
					Industrial Point Sources Combined Sewer Overflow		
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		46 Acres	2019
					Industrial Point Sources Combined Sewer Overflow		
				Sediment Toxicity		46 Acres	2019
					Source Unknown		
2	L	Lafayette Reservoir	20732010				
				Mercury		114 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		114 Acres	2019
					Source Unknown		
2	R	Lagunitas Creek	20113020				
				Nutrients		17 Miles	2019
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture Urban Runoff/Storm Sewers		
				Sedimentation/Siltation		17 Miles	2009
				<i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>			
					Agriculture Urban Runoff/Storm Sewers		
2	L	Lake Chabot (Alameda Co)	20420030				
				Chlordane		312 Acres	2019
					Source Unknown		
				DDT		312 Acres	2019
					Source Unknown		

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				Dieldrin		312 Acres	2019
					Source Unknown		
				Mercury		312 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		312 Acres	2019
					Source Unknown		
2	L	Lake Herman	20721030	Mercury		108 Acres	2019
				<i>Additional monitoring and assessment needed. Problem due to historical mining.</i>			
					Surface Mining		
2	L	Lake Merced	20210010	Low Dissolved Oxygen		299 Acres	2019
				<i>This listing was made by USEPA.</i>			
					Source Unknown		
				pH		299 Acres	2019
				<i>This listing was made by USEPA.</i>			
					Source Unknown		
2	L	Lake Merritt	20420040	Organic Enrichment/Low Dissolved Oxygen		142 Acres	2019
				<i>This listing was made by USEPA.</i>			
					Source Unknown		
				Trash		142 Acres	2019
					Urban Runoff/Storm Sewers		
2	R	Laurel Creek (Solano Co)	20440040	Diazinon		3 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		
2	R	Ledgewood Creek	20723010	Diazinon		12 Miles	2005
				<i>This listing was made by USEPA.</i>			
					Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Los Gatos Creek (R2)	20540011	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	19 Miles	2005
2	E	Marina Lagoon (San Mateo County)	20440040	Coliform Bacteria	Urban Runoff/Storm Sewers Nonpoint Source	169 Acres	2019
2	R	Matadero Creek	20550040	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	7.3 Miles	2005
2	R	Miller Creek	20620012	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	9 Miles	2005
2	E	Mission Creek	20440010	Ammonia	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				Chlordane (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2008
				Dieldrin (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2008
				Hydrogen Sulfide	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				Lead (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				PAHs (Polycyclic Aromatic Hydrocarbons)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				PCBs (Polychlorinated biphenyls) (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2006
				Silver (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
				Zinc (sediment)	Industrial Point Sources Combined Sewer Overflow	8.5 Acres	2019
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2	R	Mt. Diablo Creek	20731040	Diazinon	Urban Runoff/Storm Sewers	13 Miles	2005
				<i>This listing was made by USEPA.</i>			
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2	R	Napa River	20650010	Nutrients	Agriculture	65 Miles	2008
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
				Pathogens	Agriculture Urban Runoff/Storm Sewers	65 Miles	2006
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Sedimentation/Siltation</b>		65 Miles	2006
				<i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>			
					<b>Agriculture</b>		
					<b>Construction/Land Development</b>		
					<b>Land Development</b>		
					<b>Urban Runoff/Storm Sewers</b>		
2	L	Nicasio Reservoir	20113012	<b>Mercury</b>		829 Acres	2019
					<b>Source Unknown</b>		
2	R	Novato Creek	20620010	<b>Diazinon</b>		17 Miles	2005
				<i>This listing was made by USEPA.</i>			
					<b>Urban Runoff/Storm Sewers</b>		
2	B	Oakland Inner Harbor (Fruitvale Site, part of SF Bay, Central)	20420040	<b>Chlordane</b>		0.93 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Chlordane (sediment)</b>		0.93 Acres	2008
					<b>Source Unknown</b>		
				<b>DDT</b>		0.93 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Dieldrin</b>		0.93 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		0.93 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
					<b>Atmospheric Deposition</b>		
				<b>Exotic Species</b>		0.93 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
					<b>Ballast Water</b>		

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Furan Compounds</b>		<b>0.93 Acres</b>	<b>2019</b>
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
			<b>Atmospheric Deposition</b>			
			<b>Mercury</b>		<b>0.93 Acres</b>	<b>2006</b>
			<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
			<b>Industrial Point Sources</b>			
			<b>Municipal Point Sources</b>			
			<b>Resource Extraction</b>			
			<b>Atmospheric Deposition</b>			
			<b>Natural Sources</b>			
			<b>Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls)</b>		<b>0.93 Acres</b>	<b>2006</b>
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		<b>0.93 Acres</b>	<b>2019</b>
			<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls) (sediment)</b>		<b>0.93 Acres</b>	<b>2006</b>
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			<b>Source Unknown</b>			
			<b>Sediment Toxicity</b>		<b>0.93 Acres</b>	<b>2019</b>
			<b>Source Unknown</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Selenium</b>		0.93 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				<b>Industrial Point Sources</b>			
				<b>Agriculture</b>			
				<b>Natural Sources</b>			
				<b>Exotic Species</b>			
2	B	Oakland Inner Harbor (Pacific Dry-dock Yard 1 Site, part of SF Bay, Central)	20420040				
				<b>Chlordane</b>		1.8 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Chlordane (sediment)</b>		1.8 Acres	2008
					<b>Source Unknown</b>		
				<b>Copper (sediment)</b>		1.8 Acres	2019
					<b>Source Unknown</b>		
				<b>DDT</b>		1.8 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Dieldrin</b>		1.8 Acres	2008
				<i>This listing was made by USEPA.</i>			
					<b>Nonpoint Source</b>		
				<b>Dieldrin (sediment)</b>		1.8 Acres	2008
					<b>Source Unknown</b>		
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		1.8 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
					<b>Atmospheric Deposition</b>		
				<b>Exotic Species</b>		1.8 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				<b>Ballast Water</b>			

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Furan Compounds</b>		1.8 Acres	2019
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
			<b>Atmospheric Deposition</b>			
			<b>Lead (sediment)</b>		1.8 Acres	2019
			<b>Source Unknown</b>			
			<b>Mercury</b>		1.8 Acres	2006
			<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
			<b>Industrial Point Sources</b>			
			<b>Municipal Point Sources</b>			
			<b>Resource Extraction</b>			
			<b>Atmospheric Deposition</b>			
			<b>Natural Sources</b>			
			<b>Nonpoint Source</b>			
			<b>Mercury (sediment)</b>		1.8 Acres	2006
			<b>Source Unknown</b>			
			<b>PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)</b>		1.8 Acres	2019
			<b>Source Unknown</b>			
			<b>PCBs (Polychlorinated biphenyls)</b>		1.8 Acres	2006
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		1.8 Acres	2019
			<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls) (sediment)</b>		1.8 Acres	2006
			<b>Source Unknown</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Selenium</b>		1.8 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
					<b>Industrial Point Sources</b>		
					<b>Agriculture</b>		
					<b>Natural Sources</b>		
					<b>Exotic Species</b>		
				<b>Zinc (sediment)</b>		1.8 Acres	2019
					<b>Source Unknown</b>		
2	C	Pacific Ocean at Fitzgerald Marine Reserve	20221012	<b>Coliform Bacteria</b>		0.46 Miles	2019
					<b>Nonpoint Source</b>		
2	C	Pacific Ocean at Pacifica State Beach	20221011	<b>Coliform Bacteria</b>		0.87 Miles	2019
				<i>Linda Mar and San Pedro beaches are the areas affected.</i>			
					<b>Urban Runoff/Storm Sewers</b>		
					<b>Nonpoint Source</b>		
2	C	Pacific Ocean at Pillar Point	20221012	<b>Mercury</b>		0.62 Miles	2019
					<b>Source Unknown</b>		
2	C	Pacific Ocean at Pillar Point Beach	20221012	<b>Coliform Bacteria</b>		1.1 Miles	2019
					<b>Nonpoint Source</b>		
2	C	Pacific Ocean at Rockaway Beach	20221011	<b>Coliform Bacteria</b>		0.29 Miles	2019
					<b>Urban Runoff/Storm Sewers</b>		
					<b>Nonpoint Source</b>		
2	C	Pacific Ocean at Venice Beach	20222011	<b>Coliform Bacteria</b>		0.38 Miles	2019
					<b>Nonpoint Source</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Permanente Creek	20550021	<b>Diazinon</b> <i>This listing was made by USEPA.</i>		13 Miles	2005
					Urban Runoff/Storm Sewers		
2	R	Pescadero Creek	20240013	<b>Sedimentation/Siltation</b> <i>Impairment to steelhead habitat.</i>		26 Miles	2019
					Nonpoint Source		
2	R	Petaluma River	20630020	<b>Diazinon</b> <i>Data source: Abelli-Amen, Petaluma Tree Planters, 1999.</i>		22 Miles	2005
					Urban Runoff/Storm Sewers		
				<b>Nutrients</b> <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>		22 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
				<b>Pathogens</b> <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>		22 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
				<b>Sedimentation/Siltation</b>		22 Miles	2019
					Agriculture Construction/Land Development Urban Runoff/Storm Sewers		
2	R	Petaluma River (tidal portion)	20630040	<b>Diazinon</b> <i>Data source: Abelli-Amen, Petaluma Tree Planters, 1999.</i>		1.1 Miles	2005
					Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Nickel <i>Exceedance of California Toxic Rule dissolved criteria and National Toxic Rule total criteria; elevated water and sediment tissue levels.</i>	Municipal Point Sources Urban Runoff/Storm Sewers Atmospheric Deposition	1.1 Miles	2019
				Nutrients <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>	Agriculture Construction/Land Development Urban Runoff/Storm Sewers	1.1 Miles	2019
				Pathogens <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>	Agriculture Construction/Land Development Urban Runoff/Storm Sewers	1.1 Miles	2019
2	R	Pine Creek (Contra Costa Co)	20731011	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	13 Miles	2005
2	R	Pinole Creek	20660020	Diazinon <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	9.2 Miles	2005
2	R	Pomponio Creek	20240020	Coliform Bacteria	Nonpoint Source	7.1 Miles	2019
2	B	Richardson Bay	20312010	Chlordane <i>This listing was made by USEPA.</i>	Nonpoint Source	2439 Acres	2008

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			<b>Coliform Bacteria</b>		2439 Acres	2019
			<i>Affected area, Waldo Point Harbor, is less than 10% of embayment; source has been positively identified as substandard sewage systems in some houseboat areas; extensive local control program in place with significant water quality improvements.</i>			
				<b>Urban Runoff/Storm Sewers</b>		
				<b>Septage Disposal</b>		
				<b>Boat Discharges/Vessel Wastes</b>		
			<b>DDT</b>		2439 Acres	2008
			<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>		
			<b>Dieldrin</b>		2439 Acres	2008
			<i>This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>		
			<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		2439 Acres	2019
			<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>		
			<b>Exotic Species</b>		2439 Acres	2019
			<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				<b>Ballast Water</b>		
			<b>Furan Compounds</b>		2439 Acres	2019
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>		
			<b>Mercury</b>		2439 Acres	2006
			<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				<b>Municipal Point Sources</b>		
				<b>Resource Extraction</b>		
				<b>Atmospheric Deposition</b>		
				<b>Natural Sources</b>		
				<b>Nonpoint Source</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>PCBs (Polychlorinated biphenyls)</b>		2439 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		2439 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5,-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
2	R	Rodeo Creek	20660022	<b>Diazinon</b>		8 Miles	2005
				<i>This listing was made by USEPA.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
2	E	Sacramento San Joaquin Delta	20710010	<b>Chlordane</b>		41736 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>DDT</b>		41736 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dieldrin</b>		41736 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		41736 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>			
				<b>Exotic Species</b>		41736 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				<b>Ballast Water</b>			
				<b>Furan Compounds</b>		41736 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8,-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>			

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Mercury</b>		41736 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				<b>Industrial Point Sources</b> <b>Municipal Point Sources</b> <b>Resource Extraction</b> <b>Atmospheric Deposition</b> <b>Nonpoint Source</b>			
				<b>Nickel</b>		41736 Acres	2019
				<i>This listing was made by USEPA.</i>			
				<b>Source Unknown</b>			
				<b>PCBs (Polychlorinated biphenyls)</b>		41736 Acres	2006
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		41736 Acres	2019
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>Selenium</b>		41736 Acres	2019
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place. Another source is exotic species.</i>			
				<b>Industrial Point Sources</b> <b>Agriculture</b> <b>Natural Sources</b> <b>Exotic Species</b>			
2	R	San Antonio Creek (Marin/Sonoma Co)	20630031	<b>Diazinon</b>		18 Miles	2005
				<i>This listing was made by USEPA.</i>			
				<b>Urban Runoff/Storm Sewers</b>			

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	San Felipe Creek	20530041	<b>Diazinon</b> <i>This listing was made by USEPA.</i>		15 Miles	2005
<b>Urban Runoff/Storm Sewers</b>							
2	B	San Francisco Bay, Central	20312010	<b>Chlordane</b> <i>This listing was made by USEPA.</i>		70992 Acres	2008
<b>Nonpoint Source</b>							
				<b>DDT</b> <i>This listing was made by USEPA.</i>		70992 Acres	2008
<b>Nonpoint Source</b>							
				<b>Dieldrin</b> <i>This listing was made by USEPA.</i>		70992 Acres	2008
<b>Nonpoint Source</b>							
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b> <i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>	70992 Acres	2019	
<b>Atmospheric Deposition</b>							
				<b>Exotic Species</b> <i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>		70992 Acres	2019
<b>Ballast Water</b>							
				<b>Furan Compounds</b> <i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>	70992 Acres	2019	
<b>Atmospheric Deposition</b>							
				<b>Mercury</b> <i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>		70992 Acres	2006
<b>Industrial Point Sources</b>							
<b>Municipal Point Sources</b>							
<b>Resource Extraction</b>							
<b>Atmospheric Deposition</b>							
<b>Natural Sources</b>							
<b>Nonpoint Source</b>							

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>PCBs (Polychlorinated biphenyls)</b>		<b>70992 Acres</b>	<b>2006</b>
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		<b>70992 Acres</b>	<b>2019</b>
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5,-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>Selenium</b>		<b>70992 Acres</b>	<b>2019</b>
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				<b>Industrial Point Sources</b>			
				<b>Agriculture</b>			
				<b>Natural Sources</b>			
				<b>Exotic Species</b>			
<b>2</b>	<b>B</b>	<b>San Francisco Bay, Lower</b>	<b>20410010</b>				
				<b>Chlordane</b>		<b>92274 Acres</b>	<b>2008</b>
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>DDT</b>		<b>92274 Acres</b>	<b>2008</b>
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dieldrin</b>		<b>92274 Acres</b>	<b>2008</b>
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		<b>92274 Acres</b>	<b>2019</b>
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>			
				<b>Exotic Species</b>		<b>92274 Acres</b>	<b>2019</b>
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				<b>Ballast Water</b>			

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Furan Compounds</b>		<b>92274 Acres</b>	<b>2019</b>
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6, 7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>			
				<b>Mercury</b>		<b>92274 Acres</b>	<b>2006</b>
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources: water quality objective exceedances. Elevated sediment levels and elevated tissue levels.</i>			
				<b>Industrial Point Sources</b>			
				<b>Municipal Point Sources</b>			
				<b>Resource Extraction</b>			
				<b>Atmospheric Deposition</b>			
				<b>Natural Sources</b>			
				<b>Nonpoint Source</b>			
				<b>Nickel</b>		<b>92274 Acres</b>	<b>2019</b>
				<i>This listing was made by USEPA.</i>			
				<b>Source Unknown</b>			
				<b>PCBs (Polychlorinated biphenyls)</b>		<b>92274 Acres</b>	<b>2006</b>
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		<b>92274 Acres</b>	<b>2019</b>
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
2	B	San Francisco Bay, South	20510000				
				<b>Chlordane</b>		<b>9204 Acres</b>	<b>2008</b>
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>DDT</b>		<b>9204 Acres</b>	<b>2008</b>
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dieldrin</b>		<b>9204 Acres</b>	<b>2008</b>
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		<b>9204 Acres</b>	<b>2019</b>
			<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
			<b>Atmospheric Deposition</b>			
			<b>Exotic Species</b>		<b>9204 Acres</b>	<b>2019</b>
			<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
			<b>Ballast Water</b>			
			<b>Furan Compounds</b>		<b>9204 Acres</b>	<b>2019</b>
			<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
			<b>Atmospheric Deposition</b>			
			<b>Mercury</b>		<b>9204 Acres</b>	<b>2006</b>
			<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources: water quality objective exceedances. Elevated sediment level and elevated tissue levels.</i>			
			<b>Industrial Point Sources</b>			
			<b>Municipal Point Sources</b>			
			<b>Resource Extraction</b>			
			<b>Atmospheric Deposition</b>			
			<b>Natural Sources</b>			
			<b>Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls)</b>		<b>9204 Acres</b>	<b>2006</b>
			<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		<b>9204 Acres</b>	<b>2019</b>
			<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>Selenium</b>		<b>9204 Acres</b>	<b>2019</b>
			<i>A formal health advisory has been issued by OEHHA for benthic-feeding ducks in South San Francisco Bay. This health advisory clearly establishes that water contact recreation beneficial use (REC-1) is not fully supported and standards are not fully met.</i>			
			<b>Agriculture</b>			
			<b>Domestic Use of Ground Water</b>			



# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Mercury</b>		588 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
					<b>Industrial Point Sources</b>		
					<b>Municipal Point Sources</b>		
					<b>Resource Extraction</b>		
					<b>Atmospheric Deposition</b>		
					<b>Natural Sources</b>		
					<b>Nonpoint Source</b>		
				<b>Mercury (sediment)</b>		588 Acres	2006
					<b>Source Unknown</b>		
				<b>PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)</b>		588 Acres	2019
					<b>Source Unknown</b>		
				<b>Pesticides (sediment)</b>		588 Acres	2019
					<b>Source Unknown</b>		
				<b>Zinc (sediment)</b>		588 Acres	2019
					<b>Source Unknown</b>		
2	R	San Leandro Creek, Lower	20420012	<b>Diazinon</b>		9.3 Miles	2005
				<i>This listing was made by USEPA.</i>			
					<b>Urban Runoff/Storm Sewers</b>		
2	R	San Lorenzo Creek	20420023	<b>Diazinon</b>		11 Miles	2005
				<i>This listing was made by USEPA.</i>			
					<b>Urban Runoff/Storm Sewers</b>		
2	R	San Mateo Creek	20440032	<b>Diazinon</b>		11 Miles	2005
				<i>This listing was made by USEPA.</i>			
					<b>Urban Runoff/Storm Sewers</b>		

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	B	San Pablo Bay	20610010	<b>Chlordane</b>		68349 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>DDT</b>		68349 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dieldrin</b>		68349 Acres	2008
				<i>This listing was made by USEPA.</i>			
				<b>Nonpoint Source</b>			
				<b>Dioxin Compounds (including 2,3,7,8-TCDD)</b>		68349 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>			
				<b>Exotic Species</b>		68349 Acres	2019
				<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i>			
				<b>Ballast Water</b>			
				<b>Furan Compounds</b>		68349 Acres	2019
				<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i>			
				<b>Atmospheric Deposition</b>			
				<b>Mercury</b>		68349 Acres	2006
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
				<b>Municipal Point Sources</b>			
				<b>Resource Extraction</b>			
				<b>Atmospheric Deposition</b>			
				<b>Natural Sources</b>			
				<b>Nonpoint Source</b>			
				<b>Nickel</b>		68349 Acres	2019
				<i>This listing was made by USEPA.</i>			
				<b>Source Unknown</b>			

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>PCBs (Polychlorinated biphenyls)</b>		<b>68349 Acres</b>	<b>2006</b>
				<i>This listing covers non dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		<b>68349 Acres</b>	<b>2019</b>
				<i>The specific dioxin like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
				<b>Unknown Nonpoint Source</b>			
				<b>Selenium</b>		<b>68349 Acres</b>	<b>2019</b>
				<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
				<b>Industrial Point Sources</b>			
				<b>Agriculture</b>			
				<b>Natural Sources</b>			
				<b>Exotic Species</b>			
<b>2</b>	<b>R</b>	<b>San Pablo Creek</b>	<b>20660014</b>	<b>Diazinon</b>		<b>9.9 Miles</b>	<b>2005</b>
				<i>This listing was made by USEPA.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
<b>2</b>	<b>L</b>	<b>San Pablo Reservoir</b>	<b>20660012</b>	<b>Chlordane</b>		<b>784 Acres</b>	<b>2019</b>
				<b>Source Unknown</b>			
				<b>Dieldrin</b>		<b>784 Acres</b>	<b>2019</b>
				<b>Source Unknown</b>			
				<b>Heptachlor epoxide</b>		<b>784 Acres</b>	<b>2019</b>
				<b>Source Unknown</b>			
				<b>Mercury</b>		<b>784 Acres</b>	<b>2019</b>
				<b>Atmospheric Deposition</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs (Polychlorinated biphenyls)		784 Acres	2019
					Source Unknown		
				Toxaphene		784 Acres	2019
					Source Unknown		
2	R	San Pedro Creek	20221011	Coliform Bacteria		2.4 Miles	2019
					Urban Runoff/Storm Sewers Nonpoint Source		
2	R	San Rafael Creek	20320012	Diazinon		3.6 Miles	2005
					<i>This listing was made by USEPA.</i> Urban Runoff/Storm Sewers		
2	R	San Vicente Creek	20221012	Coliform Bacteria		3.8 Miles	2019
					Nonpoint Source		
2	R	Saratoga Creek	20550040	Diazinon		18 Miles	2005
					<i>This listing was made by USEPA.</i> Urban Runoff/Storm Sewers		
2	L	Shadow Cliffs Reservoir	20430080	Mercury		90 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		90 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	R	Sonoma Creek	20640050	<b>Nutrients</b> <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>	Agriculture Construction/Land Development Land Development Urban Runoff/Storm Sewers	30 Miles	2008
				<b>Pathogens</b> <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>	Agriculture Construction/Land Development Land Development Urban Runoff/Storm Sewers	30 Miles	2006
				<b>Sedimentation/Siltation</b> <i>TMDL will be developed as part of ongoing watershed management effort. Additional monitoring and assessment needed.</i>	Agriculture Construction/Land Development Land Development Urban Runoff/Storm Sewers	30 Miles	2008
2	L	Soulajule Reservoir	20112012	<b>Mercury</b>	Source Unknown	49 Acres	2019
				<b>PCBs (Polychlorinated biphenyls)</b>	Source Unknown	49 Acres	2019
2	R	Stevens Creek	20550020	<b>Diazinon</b> <i>This listing was made by USEPA.</i>	Urban Runoff/Storm Sewers	20 Miles	2005
				<b>Toxicity</b>	Source Unknown	20 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
2	L	Stevens Creek Reservoir	20550031	Chlordane	Source Unknown	85 Acres	2019
				Dieldrin	Source Unknown	85 Acres	2019
				Mercury	Source Unknown	85 Acres	2019
				PCBs (Polychlorinated biphenyls)	Source Unknown	85 Acres	2019
2	B	Suisun Bay	20710020	Chlordane	<i>This listing was made by USEPA.</i> Nonpoint Source	25335 Acres	2008
				DDT	<i>This listing was made by USEPA.</i> Nonpoint Source	25335 Acres	2008
				Dieldrin	<i>This listing was made by USEPA.</i> Nonpoint Source	25335 Acres	2008
				Dioxin Compounds (including 2,3,7,8-TCDD)	<i>The specific compounds are 2,3,7,8-TCDD, 1,2,3,7,8-PeCDD, 1,2,3,4,7,8-HxCDD, 1,2,3,6,7,8-HxCDD, 1,2,3,7,8,9-HxCDD, 1,2,3,4,6,7,8-HpCDD, and OCDD. This listing was made by USEPA.</i> Atmospheric Deposition	25335 Acres	2019
				Exotic Species	<i>Disrupt natural benthos; change pollutant availability in food chain; disrupt food availability to native species.</i> Ballast Water	25335 Acres	2019
				Furan Compounds	<i>The specific compounds are 2,3,7,8-TCDF, 1,2,3,7,8-PeCDF, 2,3,4,7,8-PeCDF, 1,2,3,4,7,8-HxCDF, 1,2,3,6,7,8-HxCDF, 1,2,3,7,8,9-HxCDF, 2,3,4,6,7,8-HxCDF, 1,2,3,4,6,7,8-HpCDF, 1,2,3,4,7,8,9-HpCDF, and OCDF. This listing was made by USEPA.</i> Atmospheric Deposition	25335 Acres	2019

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Mercury</b>		25335 Acres	2006
			<i>Current data indicate fish consumption and wildlife consumption impacted uses. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
			<b>Industrial Point Sources</b>			
			<b>Resource Extraction</b>			
			<b>Atmospheric Deposition</b>			
			<b>Natural Sources</b>			
			<b>Nonpoint Source</b>			
			<b>Nickel</b>		25335 Acres	2019
			<i>This listing was made by USEPA.</i>			
			<b>Source Unknown</b>			
			<b>PCBs (Polychlorinated biphenyls)</b>		25335 Acres	2006
			<i>This listing covers non-dioxin-like PCBs. Interim health advisory for fish; uncertainty regarding water column concentration data.</i>			
			<b>Unknown point source</b>			
			<b>PCBs (Polychlorinated biphenyls) (dioxin-like)</b>		25335 Acres	2019
			<i>The specific dioxin-like compounds are 3,4,4,5-TCB (81), 3,3,3,3-TCB (77), 3,3,4,4,5-PeCB (126), 3,3,4,4,4,4-HxCB (169), 2,3,3,4,4-PeCB (105), 2,3,4,4,5-PeCB (114), 2,3,4,4,5-PeCB (118), 2,3,4,4,5-PeCB (123), 2,3,3,4,4,5-HxCB (156), 2,3,3,4,4,5-HxCB (157), 2,3,4,4,5,5-HxCB (167), 2,3,3,4,4,5,5-HpCB (189). This listing was made by USEPA.</i>			
			<b>Unknown Nonpoint Source</b>			
			<b>Selenium</b>		25335 Acres	2019
			<i>Affected use is one branch of the food chain; most sensitive indicator is hatchability in nesting diving birds, significant contributions from oil refineries (control program in place) and agriculture (carried downstream by rivers); exotic species may have made food chain more susceptible to accumulation of selenium; health consumption advisory in effect for scaup and scoter (diving ducks); low TMDL priority because Individual Control Strategy in place.</i>			
			<b>Industrial Point Sources</b>			
			<b>Natural Sources</b>			
			<b>Exotic Species</b>			
2	T	Suisun Marsh Wetlands	20723000			
			<b>Metals</b>		66339 Acres	2019
			<i>Additional monitoring and assessment needed.</i>			
			<b>Agriculture</b>			
			<b>Urban Runoff/Storm Sewers</b>			
			<b>Flow Regulation/Modification</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Nutrients</b>		66339 Acres	2019
				<i>Additional monitoring and assessment needed.</i>			
					<b>Agriculture</b>		
					<b>Urban Runoff/Storm Sewers</b>		
					<b>Flow Regulation/Modification</b>		
				<b>Organic Enrichment/Low Dissolved Oxygen</b>		66339 Acres	2019
				<i>Additional monitoring and assessment needed.</i>			
					<b>Agriculture</b>		
					<b>Urban Runoff/Storm Sewers</b>		
					<b>Flow Regulation/Modification</b>		
				<b>Salinity/TDS/Chlorides</b>		66339 Acres	2019
				<i>Additional monitoring and assessment needed.</i>			
					<b>Agriculture</b>		
					<b>Urban Runoff/Storm Sewers</b>		
					<b>Flow Regulation/Modification</b>		
2	E	Suisun Slough	20723000	<b>Diazinon</b>		1124 Acres	2005
				<i>This listing was made by USEPA.</i>			
					<b>Urban Runoff/Storm Sewers</b>		
2	B	Tomaes Bay	20114033	<b>Mercury</b>		8545 Acres	2010
				<i>Current data indicate fish consumption and wildlife consumption impacted uses: health consumption advisory in effect for multiple fish species including striped bass and shark. Major source is historic: gold mining sediments and local mercury mining; most significant ongoing source is erosion and drainage from abandoned mines; moderate to low level inputs from point sources.</i>			
					<b>Mine Tailings</b>		
				<b>Nutrients</b>		8545 Acres	2019
				<i>TMDL will be developed as part of ongoing watershed management effort. Tributary streams, Lagunitas Creek and Walker Creek, must be managed first. Additional monitoring and assessment needed.</i>			
					<b>Agriculture</b>		
				<b>Sedimentation/Siltation</b>		8545 Acres	2008
				<i>TMDL will be developed as part of ongoing watershed management effort. Tributary streams, Lagunitas Creek and Walker Creek, must be managed first. Additional monitoring and assessment needed.</i>			
					<b>Agriculture</b>		
					<b>Upstream Impoundment</b>		

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2	R	Walker Creek	20112013	<b>Mercury</b> <i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>	<b>Surface Mining</b> <b>Mine Tailings</b>	16 Miles	2006
				<b>Nutrients</b> <i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>	<b>Agriculture</b>	16 Miles	2019
				<b>Sedimentation/Siltation</b> <i>Tributary to Tomales Bay. TMDLs will be developed as part of evolving watershed management effort. Additional monitoring and assessment needed.</i>	<b>Agriculture</b>	16 Miles	2009
2	R	Walnut Creek	20731040	<b>Diazinon</b> <i>This listing was made by USEPA.</i>	<b>Urban Runoff/Storm Sewers</b>	9 Miles	2005
2	R	Wildcat Creek	20660013	<b>Diazinon</b> <i>This listing was made by USEPA.</i>	<b>Urban Runoff/Storm Sewers</b>	12 Miles	2005
3	R	Alamo Creek	31230071	<b>Fecal Coliform</b>	<b>Agriculture</b> <b>Range Grazing-Riparian and/or Upland</b> <b>Natural Sources</b>	7.8 Miles	2008
3	R	Alisal Creek (Salinas)	30970093	<b>Fecal Coliform</b>	<b>Agriculture</b> <b>Urban Runoff/Storm Sewers</b> <b>Natural Sources</b> <b>Nonpoint Source</b>	7.4 Miles	2007

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Nitrate		7.4 Miles	2006
					Source Unknown		
3	R	Aptos Creek	30413023	Pathogens		8.4 Miles	2007
				<i>Impaired length for pathogens is below Bridge Creek to the mouth (approximately 5 miles).</i>			
					Urban Runoff/Storm Sewers		
				Sedimentation/Siltation		8.4 Miles	2006
					Disturbed Sites (Land Develop.)		
					Channel Erosion		
3	R	Arroyo Burro Creek	31532010	Pathogens		6.1 Miles	2019
					Urban Runoff/Storm Sewers		
					Nonpoint Source		
3	R	Arroyo Paredon	31534010	Boron		5.2 Miles	2019
					Source Unknown		
				Nitrate as Nitrate (NO3)		5.2 Miles	2019
					Source Unknown		
				Toxicity		5.2 Miles	2019
					Source Unknown		
3	R	Atascadero Creek (San Luis Obispo County)	30981124	Fecal Coliform		5.4 Miles	2007
					Source Unknown		
				Low Dissolved Oxygen		5.4 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Bean Creek	30412041	Sedimentation/Siltation	Road Construction Disturbed Sites (Land Develop.) Resource Extraction Erosion/Siltation Nonpoint Source	8.9 Miles	2019
3	R	Bear Creek(Santa Cruz County)	30412030	Sedimentation/Siltation	Silviculture Road Construction Disturbed Sites (Land Develop.) Erosion/Siltation Nonpoint Source	6.3 Miles	2019
3	R	Bell Creek (Santa Barbara Co)	31510013	Nitrate as Nitrate (NO3)	Source Unknown	1.1 Miles	2019
3	R	Blanco Drain	30911010	Pesticides	Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Nonpoint Source	15 Miles	2006

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Boulder Creek	30412020	Sedimentation/Siltation	Specialty Crop Production Silviculture Road Construction Disturbed Sites (Land Develop.) Erosion/Siltation Nonpoint Source	7.6 Miles	2019
3	R	Bradley Canyon Creek	31210030	Ammonia (Unionized)	Source Unknown	17 Miles	2019
				Fecal Coliform	Agriculture Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers Natural Sources	17 Miles	2008
				Nitrate as Nitrate (NO3)	Source Unknown	17 Miles	2019
3	R	Bradley Channel	31210030	Fecal Coliform	Source Unknown	3.1 Miles	2008
				Nitrate as Nitrate (NO3)	Source Unknown	3.1 Miles	2019
3	R	Branciforte Creek	30412051	Sedimentation/Siltation	Silviculture Road Construction Nonpoint Source	5.8 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Canada De La Gaviota	31510031	Boron		7 Miles	2019
					Source Unknown		
3	R	Carbonera Creek	30412050	Pathogens		10 Miles	2007
					Urban Runoff/Storm Sewers Nonpoint Source		
3	R	Carneros Creek	31531020	Ammonia (Unionized)		3.4 Miles	2019
					Source Unknown		
3	R	Carpinteria Creek	31534020	Pathogens		5.8 Miles	2019
					Agriculture Land Disposal Septage Disposal		
3	E	Carpinteria Marsh (El Estero Marsh)	31534020	Nutrients		188 Acres	2019
					Agriculture		
				Organic Enrichment/Low Dissolved Oxygen		188 Acres	2019
					Agriculture		
				Priority Organics		188 Acres	2019
					Urban Runoff/Storm Sewers		
3	R	Casmalia Canyon Creek	31300040	Sedimentation/Siltation		5 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Cholame Creek	31700053	Boron	Source Unknown	8.7 Miles	2019
				Fecal Coliform	Agriculture Pasture Grazing-Riparian and/or Upland Natural Sources Nonpoint Source	8.7 Miles	2019
3	R	Chorro Creek	31022012	Nutrients	Municipal Point Sources Agriculture Irrigated Crop Production Agriculture-storm runoff	14 Miles	2005
				Oxygen, Dissolved	Source Unknown	14 Miles	2019
3	R	Clear Creek (San Benito County)	30550013	Mercury	Resource Extraction	9.6 Miles	2004
3	R	Corralitos Creek	30510010	Fecal Coliform	Source Unknown	13 Miles	2006
3	R	Cuyama River	31210030	Boron	Source Unknown	134 Miles	2019
3	E	Elkhorn Slough	30600014	Pathogens	Natural Sources Nonpoint Source	2034 Acres	2007

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				Pesticides	Agriculture Irrigated Crop Production Agriculture-storm runoff Agricultural Return Flows Erosion/Siltation Contaminated Sediments Nonpoint Source	2034 Acres	2006
				Sedimentation/Siltation	Agriculture Irrigated Crop Production Agriculture-storm runoff Channel Erosion Nonpoint Source	2034 Acres	2019
3	R	Espinosa Slough	30911010	Pesticides	Agriculture Urban Runoff/Storm Sewers	1.5 Miles	2006
				Priority Organics	Nonpoint Source	1.5 Miles	2006
3	R	Fall Creek	30412022	Sedimentation/Siltation	Road Construction Habitat Modification Erosion/Siltation Nonpoint Source	5.1 Miles	2019
3	R	Franklin Creek	31534020	Nitrate as Nitrate (NO3)	Source Unknown	2.8 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Gabilan Creek	30919000	Fecal Coliform		6.4 Miles	2007
					Urban Runoff/Storm Sewers Natural Sources Nonpoint Source		
				Nitrate as Nitrate (NO3)		6.4 Miles	2019
					Source Unknown		
3	R	Glen Annie Canyon	31531020	Nitrate as Nitrate (NO3)		5.7 Miles	2019
					Source Unknown		
3	E	Goleta Slough/Estuary	31531020	Pathogens		196 Acres	2019
					Urban Runoff/Storm Sewers		
				Priority Organics		196 Acres	2019
					Nonpoint Source		
3	L	Hernandez Reservoir	30550016	Mercury		626 Acres	2005
					Surface Mining		
3	R	Kings Creek	30412011	Sedimentation/Siltation		4.4 Miles	2019
					Silviculture Road Construction Disturbed Sites (Land Develop.) Erosion/Siltation Nonpoint Source		
3	R	Las Tablas Creek	30981293	Metals		5.7 Miles	2019
					Surface Mining		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Las Tablas Creek, North Fork	30981290	Metals	Surface Mining	6.5 Miles	2019
3	R	Las Tablas Creek, South Fork	30981290	Metals	Surface Mining	4.7 Miles	2019
3	R	Llagas Creek	30530020	Chloride	Nonpoint Source Point Source	16 Miles	2019
				<i>Impaired section for Chlorides is located downstream of confluence with Miller Slough (approximately 1 mile of stream near Southside Drive).</i>			
				Fecal Coliform	Pasture Grazing-Riparian and/or Upland Natural Sources Nonpoint Source	16 Miles	2011
				<i>Impaired section for Fecal Coliform is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).</i>			
				Low Dissolved Oxygen	Municipal Point Sources Irrigated Crop Production Agricultural Return Flows Habitat Modification	16 Miles	2019
				<i>This listing was made by USEPA.</i>			
				Nitrate as Nitrate (NO3)	Source Unknown	16 Miles	2019
				pH	Source Unknown	16 Miles	2019
				Sodium	Source Unknown Nonpoint Source	16 Miles	2019
				<i>Impaired section for Sodium is located downstream of confluence with Miller Slough (approximately 1 mile of stream near Southside Drive).</i>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Total Dissolved Solids</b>		<b>16 Miles</b>	<b>2019</b>
				<i>Impaired section for Total Dissolved Solids is located between the confluence with Church Creek and the confluence with Pajaro River (approximately 9.5 miles of stream length).</i>			
					<b>Nonpoint Source</b>		
					<b>Point Source</b>		
<b>3</b>	<b>R</b>	<b>Lompico Creek</b>	<b>30412040</b>	<b>Pathogens</b>		<b>4.5 Miles</b>	<b>2007</b>
					<b>Septage Disposal</b>		
					<b>Natural Sources</b>		
					<b>Nonpoint Source</b>		
<b>3</b>	<b>R</b>	<b>Los Osos Creek</b>	<b>31023012</b>	<b>Low Dissolved Oxygen</b>		<b>4.1 Miles</b>	<b>2015</b>
				<i>This listing was made by USEPA.</i>			
					<b>Agriculture</b>		
					<b>Pasture Grazing-Riparian and/or Upland</b>		
					<b>Urban Runoff/Storm Sewers</b>		
					<b>Natural Sources</b>		
<b>3</b>	<b>R</b>	<b>Love Creek</b>	<b>30412021</b>	<b>Sedimentation/Siltation</b>		<b>3.8 Miles</b>	<b>2019</b>
					<b>Agriculture</b>		
					<b>Silviculture</b>		
					<b>Road Construction</b>		
					<b>Disturbed Sites (Land Develop.)</b>		
					<b>Erosion/Siltation</b>		
					<b>Nonpoint Source</b>		
<b>3</b>	<b>R</b>	<b>Main Street Canal</b>	<b>31210030</b>	<b>Ammonia (Unionized)</b>		<b>5.1 Miles</b>	<b>2019</b>
					<b>Source Unknown</b>		

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				Nitrate		5.1 Miles	2015
					Agriculture Urban Runoff/Storm Sewers Nonpoint Source		
3	R	Mission Creek	31532011	Pathogens		8.6 Miles	2019
					Urban Runoff/Storm Sewers Transient encampments		
				Unknown Toxicity		8.6 Miles	2019
					Urban Runoff/Storm Sewers		
3	B	Monterey Harbor	30950042	Metals		76 Acres	2007
					Railroad Slag Pile		
				Unknown Toxicity		76 Acres	2019
					Source Unknown		
3	E	Moro Cojo Slough	30913011	Ammonia (Unionized)		62 Acres	2019
					Source Unknown		
				Low Dissolved Oxygen		62 Acres	2019
					Source Unknown		
				Pesticides		62 Acres	2006
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agricultural Return Flows Nonpoint Source		

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				Sedimentation/Siltation		62 Acres	2019
					Agriculture Irrigated Crop Production Agriculture-storm runoff Construction/Land Development Nonpoint Source		
3	B	Morro Bay	31022012	Oxygen, Dissolved		1922 Acres	2019
					Source Unknown		
3	B	Moss Landing Harbor	30600014	Pathogens		79 Acres	2019
					Agriculture Nonpoint Source Boat Discharges/Vessel Wastes		
				Pesticides		79 Acres	2006
					Agriculture Irrigated Crop Production Specialty Crop Production		
				Sedimentation/Siltation		79 Acres	2019
					Agriculture Irrigated Crop Production Agriculture-storm runoff Hydromodification Dredging Channel Erosion Erosion/Siltation Nonpoint Source		

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Mountain Charlie Gulch	30412040	Sedimentation/Siltation	Silviculture Road Construction Erosion/Siltation Nonpoint Source	3.9 Miles	2019
3	L	Nacimiento Reservoir	30982000	Metals	Surface Mining Natural Sources	5736 Acres	2019
3	R	Natividad Creek	30911010	Nitrate as Nitrate (NO3)	Source Unknown	7 Miles	2019
3	R	Newell Creek (Upper)	30412031	Sedimentation/Siltation	Agriculture Silviculture Road Construction Disturbed Sites (Land Develop.) Channel Erosion Erosion/Siltation Nonpoint Source	3.5 Miles	2019
3	R	Nipomo Creek	31210011	Fecal Coliform	Agriculture Urban Runoff/Storm Sewers Natural Sources	9.3 Miles	2008
3	E	Old Salinas River Estuary	30911010	Ammonia (Unionized)	Source Unknown	74 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Fecal Coliform		74 Acres	2007
					Source Unknown		
				Low Dissolved Oxygen		74 Acres	2019
					Source Unknown		
				Nutrients		74 Acres	2006
					Agriculture Irrigated Crop Production Agriculture-irrigation tailwater Nonpoint Source		
				Pesticides		74 Acres	2006
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Nonpoint Source		
3	R	Orcutt Creek	31210030	Ammonia (Unionized)		10 Miles	2019
					Source Unknown		
				Boron		10 Miles	2019
				<i>This listing was made by USEPA.</i>			
					Natural Sources		
				Chlorpyrifos		10 Miles	2019
					Source Unknown		
				DDT		10 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Dieldrin		10 Miles	2019
				Fecal Coliform	Source Unknown	10 Miles	2008
				Nitrate	Agriculture Pasture Grazing-Riparian and/or Upland Natural Sources Nonpoint Source	10 Miles	2015
					Source Unknown		
3	R	Oso Flaco Creek	31210030	Ammonia (Unionized)		6.3 Miles	2019
				Fecal Coliform	Source Unknown	6.3 Miles	2008
				Nitrate	Source Unknown	6.3 Miles	2015
					Source Unknown		
3	L	Oso Flaco Lake	31210030	Dieldrin		56 Acres	2019
				Nitrate	Source Unknown	56 Acres	2015
					Agriculture Nonpoint Source		
3	C	Pacific Ocean at Arroyo Burro Beach (Santa Barbara County)	31532010	Total Coliform		0.06 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	C	Pacific Ocean at Carpinteria State Beach (Carpinteria Creek mouth, Santa Barbara County)	31534020	Fecal Coliform	Source Unknown	0.06 Miles	2019
				Total Coliform	Source Unknown	0.06 Miles	2019
3	C	Pacific Ocean at East Beach (mouth of Mission Creek, Santa Barbara County)	31532011	Fecal Coliform	Agriculture Urban Runoff/Storm Sewers Natural Sources Nonpoint Source Unknown Nonpoint Source	0.06 Miles	2019
				Total Coliform	Agriculture Urban Runoff/Storm Sewers Nonpoint Source Unknown Nonpoint Source	0.06 Miles	2019
3	C	Pacific Ocean at East Beach (mouth of Sycamore Creek, Santa Barbara County)	31532012	Total Coliform	Source Unknown	0.06 Miles	2019
3	C	Pacific Ocean at Gaviota Beach (mouth of Canada de la Gaviota Creek, Santa Barbara County)	31510031	Total Coliform	Source Unknown	0.06 Miles	2019
3	C	Pacific Ocean at Hammonds Beach (Santa Barbara County)	31533010	Fecal Coliform	Source Unknown	0.06 Miles	2019

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	C	Pacific Ocean at Hope Ranch Beach (Santa Barbara County)	31532010	Fecal Coliform	Source Unknown	0.06 Miles	2019
3	C	Pacific Ocean at Jalama Beach (Santa Barbara County)	31510051	Fecal Coliform	Agriculture Pasture Grazing-Riparian and/or Upland Natural Sources Nonpoint Source	0.06 Miles	2019
				Total Coliform	Agriculture Pasture Grazing-Riparian and/or Upland Natural Sources Nonpoint Source	0.06 Miles	2019
3	C	Pacific Ocean at Ocean Beach (Santa Barbara County)	31410050	Fecal Coliform	Source Unknown	0.06 Miles	2019
				Total Coliform	Source Unknown	0.06 Miles	2019
3	C	Pacific Ocean at Point Rincon (mouth of Rincon Cr, Santa Barbara County)	31534012	Fecal Coliform	Source Unknown	0.06 Miles	2019
				Total Coliform	Source Unknown	0.06 Miles	2019
3	C	Pacific Ocean at Refugio Beach (Santa Barbara County)	31510022	Total Coliform	Source Unknown	0.06 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Pajaro River	30510030	Boron		32 Miles	2019
					Source Unknown		
				Fecal Coliform		32 Miles	2011
				<i>Impaired length is above Llagas Creek (approximately 4.5 miles).</i>			
				Pasture Grazing-Riparian and/or Upland			
				Natural Sources			
				Nonpoint Source			
3	R	Prefumo Creek	31024012	Nitrate as Nitrate (NO3)		7.7 Miles	2019
					Source Unknown		
3	R	Quail Creek	30919000	Nitrate as Nitrate (NO3)		4.2 Miles	2019
					Source Unknown		
3	R	Rincon Creek	31534012	Boron		10 Miles	2019
					Source Unknown		
				Toxicity		10 Miles	2019
					Source Unknown		
3	R	Salinas Reclamation Canal	30911010	Ammonia (Unionized)		14 Miles	2019
					Source Unknown		
				Fecal Coliform		14 Miles	2007
				Agriculture			
				Pasture Grazing-Riparian and/or Upland			
				Urban Runoff/Storm Sewers			
				Natural Sources			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Low Dissolved Oxygen		14 Miles	2019
				Pesticides	Source Unknown	14 Miles	2006
				Priority Organics	Minor Industrial Point Source Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Nonpoint Source	14 Miles	2006
					Minor Industrial Point Source Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Urban Runoff/Storm Sewers Source Unknown Nonpoint Source		
3	R	Salinas River (lower, estuary to near Gonzales Rd crossing, watersheds 30910 and 30920)	30917000	Fecal Coliform		31 Miles	2007
				Nitrate as Nitrate (NO3)	Source Unknown	31 Miles	2019
				Nutrients	Source Unknown	31 Miles	2006
					Agriculture		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Pesticides		31 Miles	2006
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Nonpoint Source		
				Salinity/TDS/Chlorides		31 Miles	2019
					Agriculture Natural Sources Nonpoint Source		
				Toxaphene		31 Miles	2019
					Source Unknown		
3	R	Salinas River (middle, near Gonzales Rd crossing to confluence with Nacimiento River)	30917000	Pesticides		72 Miles	2006
				<i>Area affected is the lower 20 miles of the middle Salinas River.</i>			
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Nonpoint Source		
				Salinity/TDS/Chlorides		72 Miles	2019
				<i>Area affected is the lower 20 miles of the middle Salinas River.</i>			
					Agriculture Natural Sources Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION	
3	R	Salinas River (upper, confluence of Nacimiento River to Santa Margarita Reservoir)	30981112	Chloride	Agriculture	49 Miles	2019	
					Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers			
				Sodium	Agriculture	49 Miles	2019	
					Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers			
3	E	Salinas River Lagoon (North)	30911010	Nutrients	Nonpoint Source	197 Acres	2006	
					Pesticides			
				Agriculture				
3	R	San Antonio Creek (San Antonio Watershed, Rancho del las Flores Bridge at Hwy 135 to downstream at Railroad Bridge)	31300050	Ammonia as Nitrogen	Source Unknown	14 Miles	2019	
					Boron			
				<i>This listing was made by USEPA.</i>				
				Nitrogen, Nitrite	Natural Sources	14 Miles	2019	
					Source Unknown			
3	R	San Benito River	30530020	Fecal Coliform	Source Unknown	86 Miles	2011	
					Source Unknown			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	San Diego Creek	31100050	Toxaphene		4.6 Miles	2019
					Source Unknown		
3	R	San Lorenzo Creek	30970023	Boron		49 Miles	2019
					Source Unknown		
				Fecal Coliform		49 Miles	2004
					Agriculture Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers Natural Sources		
3	R	San Lorenzo River	30412022	Pathogens		27 Miles	2007
					Urban Runoff/Storm Sewers Septage Disposal		
3	E	San Lorenzo River Lagoon	30412053	Pathogens		66 Acres	2007
					Urban Runoff/Storm Sewers Natural Sources		
3	R	San Luis Obispo Creek	31024011	Nitrate as Nitrate (NO3)		1.6 Miles	2019
					Source Unknown		
3	R	San Luis Obispo Creek (Below W Marsh Street)	31024012	Nitrate as Nitrate (NO3)		9.6 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	San Vicente Creek	30411023	Turbidity		9.1 Miles	2019
Source Unknown							
3	R	Santa Maria River	31210030	Ammonia (Unionized)		51 Miles	2019
Source Unknown							
				Chlorpyrifos		51 Miles	2019
Source Unknown							
				DDT		51 Miles	2019
Source Unknown							
				Dieldrin		51 Miles	2019
Source Unknown							
				Endrin		51 Miles	2019
Source Unknown							
				Fecal Coliform		51 Miles	2008
Agriculture Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers Natural Sources							
				Nitrate		51 Miles	2015
Agriculture Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers							
3	R	Santa Rita Creek (Monterey County)	30919000	Nitrate as Nitrate (NO3)		11 Miles	2019
Source Unknown							

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Santa Ynez River (below city of Lompoc to Ocean)	31410040	Nitrate as Nitrate (NO3)	Source Unknown	3.8 Miles	2019
				Salinity/TDS/Chlorides	Agriculture	3.8 Miles	2019
				Sedimentation/Siltation	Agriculture Urban Runoff/Storm Sewers Resource Extraction	3.8 Miles	2019
3	R	Santa Ynez River (Cachuma Lake to below city of Lompoc)	31440050	Salinity/TDS/Chlorides	Agriculture	43 Miles	2019
				Sedimentation/Siltation	Agriculture Urban Runoff/Storm Sewers Resource Extraction	43 Miles	2019
3	L	Schwan Lake	30412053	Nutrients	Nonpoint Source	23 Acres	2019
				Pathogens	Urban Runoff/Storm Sewers Natural Sources	23 Acres	2007
3	R	Shuman Canyon Creek	31300041	Sedimentation/Siltation	Source Unknown	8.5 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	S	Soda Lake	31100050	Ammonia (Unionized)		2627 Acres	2019
					Source Unknown		
3	E	Soquel Lagoon	30413014	Nutrients		1.2 Acres	2019
					Septage Disposal Nonpoint Source		
				Pathogens		1.2 Acres	2007
					Urban Runoff/Storm Sewers Natural Sources Nonpoint Source		
				Sedimentation/Siltation		1.2 Acres	2011
					Construction/Land Development		
3	R	Tembladero Slough	30911010	Ammonia (Unionized)		5 Miles	2019
					Source Unknown		
				Fecal Coliform		5 Miles	2007
					Agriculture Pasture Grazing-Riparian and/or Upland Urban Runoff/Storm Sewers Natural Sources		
				Nutrients		5 Miles	2006
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Agricultural Return Flows Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Pesticides		5 Miles	2006
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agricultural Return Flows Nonpoint Source		
3	R	Tequisquita Slough	30530020	Fecal Coliform		7.2 Miles	2011
					Agriculture Natural Sources Nonpoint Source		
3	R	Valencia Creek	30413023	Pathogens		6.2 Miles	2007
					Agriculture Septage Disposal		
				Sedimentation/Siltation		6.2 Miles	2006
					Agriculture Construction/Land Development		
3	R	Warden Creek	31023010	Low Dissolved Oxygen		6 Miles	2019
					Source Unknown		
3	R	Watsonville Slough	30510030	Pesticides		6.2 Miles	2007
					Agriculture Irrigated Crop Production Agriculture-storm runoff Agriculture-irrigation tailwater Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
3	R	Zayante Creek	30412040	Sedimentation/Siltation	Agriculture Silviculture Road Construction Disturbed Sites (Land Develop.) Erosion/Siltation Nonpoint Source	9.2 Miles	2019
4	C	Abalone Cove Beach	40511000	DDT (sediment)	Nonpoint Source	1.1 Miles	2019
				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i> Nonpoint Source		1.1 Miles	2019
4	R	Aliso Canyon Wash	40521000	Copper	Source Unknown	10 Miles	2019
				Fecal Coliform	Source Unknown	10 Miles	2019
4	C	Amarillo Beach	40431000	DDT	Nonpoint Source	0.64 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i> PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i> Nonpoint Source		0.64 Miles	2019
4	R	Arroyo Seco Reach 1 (LA River to West Holly Ave.)	40515010	Coliform Bacteria	Nonpoint Source	5.2 Miles	2009

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Trash		5.2 Miles	2002
					Nonpoint Source		
4	R	Arroyo Seco Reach 2 (Figueroa St. to Riverside Dr.)	40515010				
				Coliform Bacteria		4.4 Miles	2009
					Nonpoint Source		
				Trash		4.4 Miles	2002
					Nonpoint Source		
4	C	Avalon Beach	40511000				
				Indicator bacteria		0.67 Miles	2019
				<i>Area affected is between Pier and BB restaurant (2/3), between Pier and BB restaurant (1/3), between storm drain and Pier (1/3), and between BB restaurant and the Tuna Club.</i>			
					Nonpoint/Point Source		
4	R	Ballona Creek	40513000				
				Coliform Bacteria		6.5 Miles	2006
					Nonpoint/Point Source		
				Cyanide		6.5 Miles	2019
					Source Unknown		
4	R	Ballona Creek Estuary	40513000				
				Coliform Bacteria		2.3 Miles	2006
					Nonpoint/Point Source		
				Shellfish Harvesting Advisory		2.3 Miles	2006
					Nonpoint/Point Source		
4	T	Ballona Creek Wetlands	40517000				
				Exotic Vegetation		289 Acres	2019
					Nonpoint Source		
				Habitat alterations		289 Acres	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Hydromodification		289 Acres	2019
					Nonpoint Source		
				Reduced Tidal Flushing		289 Acres	2019
					Nonpoint Source		
				Trash		289 Acres	2019
					Nonpoint Source		
4	R	Bell Creek	40521000	Coliform Bacteria		8.9 Miles	2009
					Nonpoint/Point Source		
4	C	Big Rock Beach	40431000	DDT		0.74 Miles	2019
				<i>Fish consumption advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		0.74 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	C	Bluff Cove Beach	40511000	DDT		0.55 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		0.55 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	R	Brown Barranca/Long Canyon	40321000	Nitrate and Nitrite		2.6 Miles	2003
					Nonpoint Source		
4	R	Burbank Western Channel	40521000	Copper		13 Miles	2019
					Source Unknown		
				Cyanide		13 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Trash		13 Miles	2002
Nonpoint/Point Source							
4	C	Cabrillo Beach (Outer)	40512000	DDT		0.58 Miles	2019
				<i>Fish consumption advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		0.58 Miles	2019
				<i>Fish consumption advisory for PCBs.</i>			
					Nonpoint Source		
4	E	Calleguas Creek Reach 1 (was Mugu Lagoon on 1998 303(d) list)	40311000	Copper		344 Acres	2006
					Nonpoint/Point Source		
				Mercury		344 Acres	2006
					Nonpoint/Point Source		
				Nickel		344 Acres	2006
					Nonpoint/Point Source		
				Sedimentation/Siltation		344 Acres	2019
					Agriculture		
					Natural Sources		
4	R	Calleguas Creek Reach 2 (estuary to Potrero Rd- was Calleguas Creek Reaches 1 and 2 on 1998 303d list)	40312000	Copper, Dissolved		4.3 Miles	2006
					Nonpoint Source		
				Fecal Coliform		4.3 Miles	2006
				<i>Area affected is at the mouth of the creek.</i>			
					Nonpoint/Point Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	R	Calleguas Creek Reach 3 (Potrero Road upstream to confluence with Conejo Creek on 1998 303d list)	40312000	Chlordane		3.5 Miles	2019
					Source Unknown		
				Chloride		3.5 Miles	2002
					Nonpoint/Point Source		
				DDT		3.5 Miles	2019
					Source Unknown		
				Dieldrin		3.5 Miles	2019
					Source Unknown		
				Total Dissolved Solids		3.5 Miles	2019
					Nonpoint/Point Source		
				Toxaphene		3.5 Miles	2019
					Source Unknown		
4	R	Calleguas Creek Reach 4 (was Revolon Slough Main Branch: Mugu Lagoon to Central Avenue on 1998 303d list)	40311000	Boron		7.2 Miles	2019
				<i>This listing was made by USEPA.</i>			
					Nonpoint Source		
				Fecal Coliform		7.2 Miles	2006
					Nonpoint/Point Source		
				Selenium		7.2 Miles	2006
					Nonpoint Source		
				Sulfates		7.2 Miles	2019
				<i>This listing was made by USEPA.</i>			
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Total Dissolved Solids		7.2 Miles	2019
				<i>This listing was made by USEPA.</i>			
					Nonpoint Source		
				Trash		7.2 Miles	2019
					Nonpoint Source		
4	R	Calleguas Creek Reach 5 (was Beardsley Channel on 1998 303d list)	40311000				
				Trash		4.3 Miles	2019
					Nonpoint Source		
4	R	Calleguas Creek Reach 6 ( was Arroyo Las Posas Reaches 1 and 2 on 1998 303d list)	40362000				
				Chloride		15 Miles	2002
					Nonpoint/Point Source		
				Fecal Coliform		15 Miles	2006
					Nonpoint/Point Source		
				Sulfates		15 Miles	2019
					Nonpoint/Point Source		
				Total Dissolved Solids		15 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 7 (was Arroyo Simi Reaches 1 and 2 on 1998 303d list)	40367000				
				Boron		14 Miles	2019
					Nonpoint Source		
				Chloride		14 Miles	2002
					Nonpoint Source		
				Fecal Coliform		14 Miles	2006
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sulfates		14 Miles	2019
					Nonpoint Source		
				Total Dissolved Solids		14 Miles	2019
					Nonpoint Source		
4	R	Calleguas Creek Reach 8 (was Tapo Canyon Reach 1)	40366000				
				Boron		7.2 Miles	2019
					Nonpoint/Point Source		
				Chloride		7.2 Miles	2002
					Nonpoint/Point Source		
				Sulfates		7.2 Miles	2019
					Nonpoint/Point Source		
				Total Dissolved Solids		7.2 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 9A (was lower part of Conejo Creek Reach 1 on 1998 303d list)	40312000				
				Fecal Coliform		1.7 Miles	2006
					Nonpoint/Point Source		
				Sulfates		1.7 Miles	2019
					Nonpoint/Point Source		
				Total Dissolved Solids		1.7 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 9B (was part of Conejo Creek Reaches 1 and 2 on 1998 303d list)	40363000				
				Chloride		6.2 Miles	2002
					Nonpoint/Point Source		

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				Fecal Coliform		6.2 Miles	2006
					Nonpoint/Point Source		
				Sulfates		6.2 Miles	2019
					Nonpoint/Point Source		
				Total Dissolved Solids		6.2 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 10 (Conejo Creek (Hill Canyon)-was part of Conejo Crk Reaches 2 & 3, and lower Conejo Crk/Arroyo Conejo N Fk on 1998 303d list)	40364000				
				Ammonia		3 Miles	2002
					Nonpoint/Point Source		
				Chloride		3 Miles	2019
					Nonpoint/Point Source		
				Fecal Coliform		3 Miles	2006
					Nonpoint Source		
				Sulfates		3 Miles	2019
					Nonpoint Source		
				Total Dissolved Solids		3 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 11 (Arroyo Santa Rosa, was part of Conejo Creek Reach 3 on 1998 303d list)	40365000				
				Fecal Coliform		8.7 Miles	2006
					Nonpoint/Point Source		
				Sulfates		8.7 Miles	2019
					Nonpoint/Point Source		

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				Total Dissolved Solids		8.7 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 12 (was Conejo Creek/Arroyo Conejo North Fork on 1998 303d list)	40364000				
				Sulfates		5.5 Miles	2019
					Nonpoint/Point Source		
				Total Dissolved Solids		5.5 Miles	2019
					Nonpoint/Point Source		
4	R	Calleguas Creek Reach 13 (Conejo Creek South Fork, was Conejo Cr Reach 4 and part of Reach 3 on 1998 303d list)	40368000				
				Chloride		17 Miles	2002
					Nonpoint/Point Source		
				Sulfates		17 Miles	2019
					Nonpoint/Point Source		
				Total Dissolved Solids		17 Miles	2019
					Nonpoint/Point Source		
4	R	Canada Larga (Ventura River Watershed)	40210010				
				Fecal Coliform		8 Miles	2019
				<i>Horse stables, land use, cattle, and wildlife may be sources.</i>			
					Nonpoint Source		
				Low Dissolved Oxygen		8 Miles	2019
					Nonpoint Source		
4	C	Carbon Beach	40416000				
				DDT		1.5 Miles	2019
				<i>Fish consumption advisory for DDT.</i>			
					Nonpoint Source		

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				PCBs (Polychlorinated biphenyls) <i>Fish consumption advisory for PCBs.</i>		1.5 Miles	2019
					Nonpoint Source		
4	C	Castlerock Beach	40513000	DDT <i>Fish Consumption Advisory for DDT.</i>		0.21 Miles	2019
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>		0.21 Miles	2019
					Nonpoint Source		
4	B	Channel Islands Harbor	40311000	Lead (sediment)		209 Acres	2019
					Nonpoint Source		
				Zinc (sediment)		209 Acres	2019
					Nonpoint Source		
4	C	Channel Islands Harbor Beach	40311000	Indicator bacteria		0.08 Miles	2019
					Nonpoint/Point Source		
4	T	Colorado Lagoon	40512000	Chlordane (tissue & sediment)		13 Acres	2019
					Nonpoint Source		
				DDT (tissue)		13 Acres	2019
					Nonpoint Source		
				Dieldrin (tissue)		13 Acres	2019
					Nonpoint Source		
				Lead (sediment)		13 Acres	2019
					Nonpoint Source		
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		13 Acres	2019
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls) (tissue)		13 Acres	2019
					Nonpoint Source		
				Sediment Toxicity		13 Acres	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Zinc (sediment)		13 Acres	2019
					Nonpoint Source		
4	R	Compton Creek	40515010	Coliform Bacteria		8.5 Miles	2009
					Nonpoint/Point Source		
				Trash		8.5 Miles	2019
					Source Unknown		
4	R	Coyote Creek	40515010	Coliform Bacteria		13 Miles	2019
					Nonpoint/Point Source		
				Copper, Dissolved		13 Miles	2006
					Nonpoint Source		
				Diazinon		13 Miles	2019
					Source Unknown		
				Nitrogen, Nitrite		13 Miles	2019
					Source Unknown		
				pH		13 Miles	2019
					Source Unknown		
				Toxicity		13 Miles	2007
				<i>This listing was made by USEPA.</i>			
					Point Source		
4	L	Crystal Lake	40543000	Organic Enrichment/Low Dissolved Oxygen		3.7 Acres	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	R	Dominguez Channel (lined portion above Vermont Ave)	40351000				
				Aldrin (tissue)		6.7 Miles	2019
					Nonpoint/Point Source		
				Ammonia		6.7 Miles	2019
					Nonpoint/Point Source		
				ChemA (tissue)		6.7 Miles	2019
					Nonpoint/Point Source		
				Chlordane (tissue)		6.7 Miles	2019
					Nonpoint/Point Source		
				Chromium (sediment)		6.7 Miles	2019
					Nonpoint/Point Source		
				Copper		6.7 Miles	2019
					Nonpoint/Point Source		
				DDT (tissue & sediment)		6.7 Miles	2019
					Nonpoint/Point Source		
				Dieldrin (tissue)		6.7 Miles	2019
					Nonpoint/Point Source		
				Indicator bacteria		6.7 Miles	2007
					Nonpoint/Point Source		
				Lead (tissue)		6.7 Miles	2019
					Nonpoint/Point Source		
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		6.7 Miles	2019
					Nonpoint/Point Source		

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				PCBs (Polychlorinated biphenyls) (tissue)		6.7 Miles	2019
					Nonpoint/Point Source		
				Sediment Toxicity		6.7 Miles	2019
					Source Unknown		
				Zinc (sediment)		6.7 Miles	2019
					Nonpoint/Point Source		
4	E	Dominguez Channel Estuary (unlined portion below Vermont Ave)	40512000				
				Aldrin (tissue)		140 Acres	2019
					Nonpoint/Point Source		
				Ammonia		140 Acres	2019
					Nonpoint/Point Source		
				Benthic Community Effects		140 Acres	2019
					Nonpoint/Point Source		
				Benzo(a)pyrene (PAHs)		140 Acres	2019
					Source Unknown		
				Benzo[a]anthracene		140 Acres	2019
					Source Unknown		
				ChemA (tissue)		140 Acres	2019
					Nonpoint/Point Source		
				Chlordane (tissue)		140 Acres	2019
					Nonpoint/Point Source		
				Chrysene (C1-C4)		140 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Coliform Bacteria		140 Acres	2007
					Nonpoint/Point Source		
				DDT (tissue & sediment)		140 Acres	2019
					Nonpoint/Point Source		
				Dieldrin (tissue)		140 Acres	2019
					Nonpoint/Point Source		
				Lead (tissue)		140 Acres	2019
					Nonpoint/Point Source		
				PCBs (Polychlorinated biphenyls)		140 Acres	2019
					Source Unknown		
				Phenanthrene		140 Acres	2019
					Source Unknown		
				Pyrene		140 Acres	2019
					Source Unknown		
				Zinc (sediment)		140 Acres	2019
					Nonpoint/Point Source		
4	R	Dry Canyon Creek	40521000	Fecal Coliform		3.9 Miles	2009
					Urban Runoff/Storm Sewers Natural Sources		
4	L	Echo Park Lake	40515010	Algae		13 Acres	2019
					Nonpoint Source		
				Ammonia		13 Acres	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Copper		13 Acres	2019
					Nonpoint Source		
				Eutrophic		13 Acres	2019
					Nonpoint Source		
				Lead		13 Acres	2019
					Nonpoint Source		
				Odor		13 Acres	2019
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls) (tissue)		13 Acres	2019
					Nonpoint Source		
				pH		13 Acres	2019
					Nonpoint Source		
4	L	El Dorado Lakes	40515010	Algae		35 Acres	2019
					Nonpoint Source		
				Ammonia		35 Acres	2019
					Nonpoint Source		
				Copper		35 Acres	2019
					Nonpoint Source		
				Eutrophic		35 Acres	2019
					Nonpoint Source		
				Lead		35 Acres	2019
					Nonpoint Source		
				Mercury (tissue)		35 Acres	2019
					Nonpoint Source		
				pH		35 Acres	2019
					Nonpoint Source		

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4	L	Elizabeth Lake	40351000	Eutrophic	Nonpoint Source	123 Acres	2019
				Organic Enrichment/Low Dissolved Oxygen	Nonpoint Source	123 Acres	2019
				pH	Nonpoint Source	123 Acres	2019
				Trash	Nonpoint Source	123 Acres	2019
4	C	Escondido Beach	40434000	DDT	Nonpoint Source	1.2 Miles	2019
				<i>Fish consumption advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	Nonpoint Source	1.2 Miles	2019
				<i>Fish consumption advisory for PCBs.</i>			
4	C	Flat Rock Point Beach Area	40511000	DDT	Nonpoint Source	0.11 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	Nonpoint Source	0.11 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
4	R	Fox Barranca (tributary to Calleguas Creek Reach 6)	40362000	Boron	Nonpoint Source	6.7 Miles	2019
				Sulfates	Nonpoint Source	6.7 Miles	2019
				Total Dissolved Solids	Nonpoint Source	6.7 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	C	Hobie Beach (Channel Islands Harbor)	40311000	Indicator bacteria	Nonpoint/Point Source	0.06 Miles	2019
4	R	Hopper Creek	40341000	Sulfates	Nonpoint/Point Source	13 Miles	2019
				Total Dissolved Solids	Nonpoint/Point Source	13 Miles	2019
4	C	Inspiration Point Beach	40511000	DDT <i>Fish Consumption Advisory for DDT.</i>	Nonpoint Source	0.14 Miles	2019
				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>	Nonpoint Source	0.14 Miles	2019
4	C	La Costa Beach	40416000	DDT <i>Fish Consumption Advisory for DDT.</i>	Nonpoint Source	0.74 Miles	2019
				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>	Nonpoint Source	0.74 Miles	2019
4	L	Lake Calabasas	40521000	Ammonia	Nonpoint Source	18 Acres	2006
				DDT (tissue)	Nonpoint Source	18 Acres	2019
				Eutrophic	Nonpoint Source	18 Acres	2019
				Odor	Nonpoint Source	18 Acres	2019
				Organic Enrichment/Low Dissolved Oxygen	Nonpoint Source	18 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				pH		18 Acres	2019
					Nonpoint Source		
4	L	Lake Hughes	40351000				
				Algae		21 Acres	2019
					Nonpoint Source		
				Eutrophic		21 Acres	2019
					Nonpoint Source		
				Fish Kills		21 Acres	2019
					Nonpoint Source		
				Odor		21 Acres	2019
					Nonpoint Source		
				Trash		21 Acres	2019
					Nonpoint Source		
4	L	Lake Lindero	40423000				
				Algae		15 Acres	2006
					Nonpoint Source		
				Chloride		15 Acres	2019
					Nonpoint Source		
				Eutrophic		15 Acres	2006
					Nonpoint Source		
				Odor		15 Acres	2006
					Nonpoint Source		
				Selenium		15 Acres	2019
					Source Unknown		
				Specific Conductivity		15 Acres	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Trash		15 Acres	2019
					Nonpoint Source		
4	L	Lake Sherwood	40426000	Algae		135 Acres	2006
					Nonpoint Source		
				Ammonia		135 Acres	2006
					Nonpoint Source		
				Eutrophic		135 Acres	2006
					Nonpoint Source		
				Mercury (tissue)		135 Acres	2019
					Nonpoint Source		
				Organic Enrichment/Low Dissolved Oxygen		135 Acres	2006
					Nonpoint Source		
4	C	Las Flores Beach	40415000	DDT		1.1 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.1 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	C	Las Tunas Beach	40412000	DDT		1.2 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.2 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	R	Las Virgenes Creek	40422010	Coliform Bacteria		12 Miles	2005
					Nonpoint Source		
				Nutrients (Algae)		12 Miles	2006
					Nonpoint Source		

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				Organic Enrichment/Low Dissolved Oxygen		12 Miles	2006
					Nonpoint Source		
				Scum/Foam-unnatural		12 Miles	2006
					Nonpoint Source		
				Sedimentation/Siltation		12 Miles	2019
					Source Unknown		
				Selenium		12 Miles	2019
					Nonpoint Source		
				Trash		12 Miles	2019
					Nonpoint Source		
4	L	Legg Lake	40531000				
				Ammonia		25 Acres	2019
					Nonpoint Source		
				Copper		25 Acres	2019
					Nonpoint Source		
				Lead		25 Acres	2019
					Nonpoint Source		
				Odor		25 Acres	2019
					Nonpoint Source		
				pH		25 Acres	2019
					Nonpoint Source		
				Trash		25 Acres	2019
					Nonpoint Source		
4	L	Lincoln Park Lake	40515010				
				Ammonia		3.8 Acres	2019
					Nonpoint Source		
				Eutrophic		3.8 Acres	2019
					Nonpoint Source		
				Lead		3.8 Acres	2019
					Nonpoint Source		

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				Odor		3.8 Acres	2019
					Nonpoint Source		
				Organic Enrichment/Low Dissolved Oxygen		3.8 Acres	2019
					Nonpoint Source		
4	R	Lindero Creek Reach 1	40423000	Algae		3 Miles	2006
					Nonpoint Source		
				Coliform Bacteria		3 Miles	2005
					Nonpoint Source		
				Scum/Foam-unnatural		3 Miles	2006
					Nonpoint Source		
				Selenium		3 Miles	2019
					Nonpoint Source		
				Trash		3 Miles	2019
					Nonpoint Source		
4	R	Lindero Creek Reach 2 (Above Lake)	40425000	Algae		4.5 Miles	2006
					Nonpoint Source		
				Coliform Bacteria		4.5 Miles	2005
					Nonpoint Source		
				Scum/Foam-unnatural		4.5 Miles	2006
					Nonpoint Source		
				Selenium		4.5 Miles	2019
					Nonpoint Source		
				Trash		4.5 Miles	2019
					Nonpoint Source		
4	C	Long Point Beach	40511000	DDT		0.7 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		

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				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>		0.7 Miles	2019
					Nonpoint Source		
4	B	Los Angeles Harbor - Cabrillo Marina	40512000	DDT		77 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		77 Acres	2019
					Source Unknown		
4	B	Los Angeles Harbor - Consolidated Slip	40512000	Benthic Community Effects		36 Acres	2019
					Nonpoint Source		
				Cadmium (sediment) <i>Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.</i>		36 Acres	2019
					Nonpoint Source		
				Chlordane (tissue & sediment)		36 Acres	2019
					Nonpoint Source		
				Chromium (sediment)		36 Acres	2019
					Nonpoint Source		
				Copper (sediment)		36 Acres	2019
					Nonpoint Source		
				DDT (tissue & sediment) <i>Fish Consumption Advisory for DDT.</i>		36 Acres	2019
					Nonpoint Source		
				Dieldrin		36 Acres	2019
					Nonpoint Source		
				Lead (sediment)		36 Acres	2019
					Nonpoint Source		

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				Mercury (sediment)		36 Acres	2019
				<i>Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.</i>			
				Nonpoint Source			
				PCBs (Polychlorinated biphenyls) (tissue & sediment)		36 Acres	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
				Nonpoint Source			
				Sediment Toxicity		36 Acres	2019
				Nonpoint Source			
				Toxaphene (tissue)		36 Acres	2019
				Nonpoint Source			
				Zinc (sediment)		36 Acres	2019
				<i>Historical use of pesticides and lubricants, stormwater runoff, aerial deposition, and historical discharges for metals.</i>			
				Nonpoint Source			
4	B	Los Angeles Harbor - Fish Harbor	40518000				
				Benzo[a]anthracene		91 Acres	2019
				Source Unknown			
				Chlordane		91 Acres	2019
				Source Unknown			
				Chrysene (C1-C4)		91 Acres	2019
				Source Unknown			
				Copper		91 Acres	2019
				Source Unknown			
				DDT		91 Acres	2019
				Nonpoint Source			
				Dibenz[a,h]anthracene		91 Acres	2019
				Source Unknown			

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				Lead		91 Acres	2019
					Source Unknown		
				Mercury		91 Acres	2019
					Source Unknown		
				PAHs (Polycyclic Aromatic Hydrocarbons)		91 Acres	2019
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		91 Acres	2019
					Nonpoint Source		
				Phenanthrene		91 Acres	2019
					Source Unknown		
				Pyrene		91 Acres	2019
					Source Unknown		
				Sediment Toxicity		91 Acres	2019
					Source Unknown		
				Zinc		91 Acres	2019
					Source Unknown		
4	B	Los Angeles Harbor - Inner Cabrillo Beach Area	40512000				
				Copper		82 Acres	2019
					Source Unknown		
				DDT		82 Acres	2019
				<i>Fish consumption advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		82 Acres	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	E	Los Angeles River Estuary (Queensway Bay)	40512000	<b>Chlordane (sediment)</b> <i>Historical use of pesticides and lubricants.</i>	<b>Nonpoint Source</b>	207 Acres	2019
				<b>DDT (sediment)</b> <i>Historical use of pesticides and lubricants.</i>	<b>Nonpoint Source</b>	207 Acres	2019
				<b>Lead (sediment)</b> <i>Historical use of pesticides and lubricants.</i>	<b>Nonpoint Source</b>	207 Acres	2019
				<b>PCBs (Polychlorinated biphenyls) (sediment)</b> <i>Historical use of pesticides and lubricants.</i>	<b>Nonpoint Source</b>	207 Acres	2019
				<b>Sediment Toxicity</b>	<b>Source Unknown</b>	207 Acres	2019
				<b>Zinc (sediment)</b> <i>Historical use of pesticides and lubricants.</i>	<b>Nonpoint Source</b>	207 Acres	2019
4	R	Los Angeles River Reach 1 (Estuary to Carson Street)	40512000	<b>Coliform Bacteria</b>	<b>Nonpoint/Point Source</b>	3.4 Miles	2009
				<b>Cyanide</b>	<b>Source Unknown</b>	3.4 Miles	2019
				<b>Diazinon</b>	<b>Source Unknown</b>	3.4 Miles	2019
4	R	Los Angeles River Reach 2 (Carson to Figueroa Street)	40515010	<b>Coliform Bacteria</b>	<b>Nonpoint/Point Source</b>	19 Miles	2009

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	R	Los Angeles River Reach 4 (Sepulveda Dr. to Sepulveda Dam)	40521000	Coliform Bacteria		11 Miles	2009
					Nonpoint/Point Source		
4	R	Los Angeles River Reach 5 ( within Sepulveda Basin)	40521000	Oil		1.9 Miles	2019
					Nonpoint/Point Source		
4	R	Los Angeles River Reach 6 (Above Sepulveda Flood Control Basin)	40521000	1,1-Dichloroethane (1,1-DCE)/Vinylidene chloride		7 Miles	2019
					Nonpoint Source		
				Coliform Bacteria		7 Miles	2009
					Nonpoint Source		
				Tetrachloroethylene/PCE		7 Miles	2019
					Nonpoint Source		
				Trichloroethylene/TCE		7 Miles	2019
					Nonpoint Source		
4	B	Los Angeles/Long Beach Inner Harbor	40518000	Beach Closures		3003 Acres	2004
					Nonpoint/Point Source		
				Benthic Community Effects		3003 Acres	2019
					Nonpoint Source		
				DDT		3003 Acres	2019
					Nonpoint/Point Source		
				PCBs (Polychlorinated biphenyls)		3003 Acres	2019
					Nonpoint/Point Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sediment Toxicity		3003 Acres	2019
Nonpoint/Point Source							
4	B	Los Angeles/Long Beach Outer Harbor (inside breakwater)	40512000	DDT		4042 Acres	2019
Nonpoint Source							
				PCBs (Polychlorinated biphenyls)		4042 Acres	2019
Nonpoint Source							
4	T	Los Cerritos Channel	40515010	Ammonia		31 Acres	2019
Nonpoint Source							
				Bis(2ethylhexyl)phthalate/DEHP		31 Acres	2019
Source Unknown							
				Chlordane (sediment)		31 Acres	2019
Source Unknown							
				Coliform Bacteria		31 Acres	2019
Nonpoint Source							
				Copper		31 Acres	2019
Nonpoint Source							
				Lead		31 Acres	2019
Nonpoint Source							
				Trash		31 Acres	2019
Source Unknown							
				Zinc		31 Acres	2019
Nonpoint Source							

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	L	Machado Lake (Harbor Park Lake)	40512000	Algae	Nonpoint Source	45 Acres	2019
				Ammonia	Nonpoint Source	45 Acres	2019
				ChemA (tissue) <i>Historical use of pesticides and lubricants.</i>	Nonpoint Source	45 Acres	2019
				Chlordane (tissue) <i>Fish Consumption Advisory.</i>	Nonpoint Source	45 Acres	2019
				DDT (tissue) <i>Fish Consumption Advisory.</i>	Nonpoint Source	45 Acres	2019
				Dieldrin (tissue)	Nonpoint Source	45 Acres	2019
				Eutrophic	Nonpoint Source	45 Acres	2019
				Odor	Nonpoint Source	45 Acres	2019
				PCBs (Polychlorinated biphenyls) (tissue)	Nonpoint Source	45 Acres	2019
				Trash	Nonpoint Source	45 Acres	2019
4	C	Malaga Cove Beach	40511000	DDT <i>Fish Consumption Advisory for DDT.</i>	Nonpoint Source	0.39 Miles	2019
				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>	Nonpoint Source	0.39 Miles	2019
4	L	Malibou Lake	40424000	Algae	Nonpoint Source	40 Acres	2006

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Eutrophic		40 Acres	2006
					Nonpoint Source		
				Organic Enrichment/Low Dissolved Oxygen		40 Acres	2006
					Nonpoint Source		
4	C	Malibu Beach	40421000	DDT		0.77 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
4	R	Malibu Creek	40421000	Coliform Bacteria		11 Miles	2002
					Nonpoint/Point Source		
				Fish Barriers (Fish Passage)		11 Miles	2019
					Dam Construction		
				Nutrients (Algae)		11 Miles	2006
					Nonpoint/Point Source		
				Scum/Foam-unnatural		11 Miles	2006
					Nonpoint/Point Source		
				Sedimentation/Siltation		11 Miles	2019
					Source Unknown		
				Selenium		11 Miles	2019
					Source Unknown		
				Sulfates		11 Miles	2019
					Source Unknown		
				Trash		11 Miles	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	E	Malibu Lagoon	40421000	Benthic Community Effects	Nonpoint/Point Source	15 Acres	2019
				Coliform Bacteria	Nonpoint/Point Source	15 Acres	2005
				Eutrophic	Nonpoint/Point Source	15 Acres	2006
				pH	Nonpoint/Point Source	15 Acres	2006
				<i>Possible sources might be septic systems, storm drains, and birds.</i>			
				Source Unknown			
				Shellfish Harvesting Advisory	Nonpoint/Point Source	15 Acres	2005
				Swimming Restrictions	Nonpoint/Point Source	15 Acres	2005
				Viruses (enteric)	Nonpoint/Point Source	15 Acres	2005
4	C	Malibu Lagoon Beach (Surfrider)	40421000	DDT	Nonpoint Source	1 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
				PCBs (Polychlorinated biphenyls)	Nonpoint Source	1 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
4	R	Matilija Creek Reach 1 (Jct. With N. Fork to Reservoir)	40220012	Fish Barriers (Fish Passage)	Dam Construction	0.63 Miles	2019
4	R	Matilija Creek Reach 2 (Above Reservoir)	40220010	Fish Barriers (Fish Passage)	Dam Construction	15 Miles	2019
4	L	Matilija Reservoir	40220012	Fish Barriers (Fish Passage)	Dam Construction	121 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	R	McCoy Canyon Creek	40521000	Fecal Coliform		4 Miles	2009
					Nonpoint Source		
				Nitrate		4 Miles	2019
					Nonpoint Source		
				Nitrogen, Nitrate		4 Miles	2019
					Urban Runoff/Storm Sewers		
					Natural Sources		
4	L	McGrath Lake	40311000	Chlordane (sediment)		20 Acres	2019
					Nonpoint Source		
				DDT (sediment)		20 Acres	2019
					Nonpoint Source		
				Dieldrin (sediment)		20 Acres	2019
				<i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i>			
					Nonpoint Source		
				Fecal Coliform		20 Acres	2019
					Agriculture		
					Landfills		
					Natural Sources		
				PCBs (Polychlorinated biphenyls) (sediment)		20 Acres	2019
				<i>Historical use of pesticides and lubricants, storm water runoff/aerial deposition from agricultural fields.</i>			
					Nonpoint Source		
				Sediment Toxicity		20 Acres	2019
					Nonpoint Source		
4	R	Medea Creek Reach 1 (Lake to Confl. with Lindero)	40424000	Algae		2.6 Miles	2006
					Nonpoint Source		
				Coliform Bacteria		2.6 Miles	2005
					Nonpoint Source		

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				Sedimentation/Siltation		2.6 Miles	2019
					Source Unknown		
				Selenium		2.6 Miles	2019
					Nonpoint Source		
				Trash		2.6 Miles	2019
					Nonpoint Source		
4	R	Medea Creek Reach 2 (Abv Confl. with Lindero)	40423000				
				Algae		5.4 Miles	2006
					Nonpoint Source		
				Coliform Bacteria		5.4 Miles	2005
					Nonpoint Source		
				Sedimentation/Siltation		5.4 Miles	2019
					Source Unknown		
				Selenium		5.4 Miles	2019
					Nonpoint Source		
				Trash		5.4 Miles	2019
					Nonpoint Source		
4	L	Munz Lake	40351000				
				Eutrophic		6.6 Acres	2019
					Nonpoint Source		
				Trash		6.6 Acres	2019
					Nonpoint Source		
4	C	Nicholas Canyon Beach	40444000				
				DDT		1.7 Miles	2019
					<i>Fish Consumption Advisory for DDT.</i>		
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.7 Miles	2019
					<i>Fish Consumption Advisory for PCBs.</i>		
					Nonpoint Source		
4	R	Palo Comado Creek	40423000				
				Coliform Bacteria		6.8 Miles	2005
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	C	Palo Verde Shoreline Park Beach	40511000	Pesticides		0.24 Miles	2019
					Source Unknown		
4	C	Paradise Cove Beach	40435000	DDT		1.7 Miles	2019
				<i>Fish consumption advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.7 Miles	2019
				<i>Fish consumption advisory for PCBs.</i>			
					Nonpoint Source		
4	L	Peck Road Park Lake	40531000	Chlordane (tissue)		103 Acres	2019
					Nonpoint Source		
				DDT (tissue)		103 Acres	2019
					Nonpoint Source		
				Lead		103 Acres	2019
					Nonpoint Source		
				Odor		103 Acres	2019
					Nonpoint Source		
				Organic Enrichment/Low Dissolved Oxygen		103 Acres	2019
					Nonpoint Source		
4	R	Piru Creek (from gaging station below Santa Felicia Dam to headwaters)	40342000	Chloride		67 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				pH		67 Miles	2019
					Nonpoint Source Conservation Discharge Releases		
4	C	Point Dume Beach	40435000	DDT <i>Fish consumption advisory for DDT.</i>	Nonpoint Source	2.5 Miles	2019
				PCBs (Polychlorinated biphenyls) <i>Fish consumption advisory for PCBs.</i>	Nonpoint Source	2.5 Miles	2019
4	C	Point Fermin Park Beach	40512000	DDT <i>Fish consumption advisory for DDT.</i>	Nonpoint Source	1.6 Miles	2019
				PCBs (Polychlorinated biphenyls) <i>Fish consumption advisory for PCBs.</i>	Nonpoint Source	1.6 Miles	2019
4	R	Pole Creek (trib to Santa Clara River Reach 3 )	40331000	Sulfates	Nonpoint Source	9 Miles	2019
				Total Dissolved Solids	Nonpoint Source	9 Miles	2019
4	B	Port Hueneme Harbor (Back Basins)	40311000	DDT (tissue)	Nonpoint Source	65 Acres	2019
				PCBs (Polychlorinated biphenyls) (tissue)	Nonpoint Source	65 Acres	2019
4	C	Port Hueneme Pier	40311000	PCBs (Polychlorinated biphenyls)	Source Unknown	0.33 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	C	Portuguese Bend Beach	40511000	DDT		1.4 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.4 Miles	2019
				<i>Fish Consumption Advisory for PCB.</i>			
					Nonpoint Source		
4	L	Puddingstone Reservoir	40552000	Chlordane (tissue)		243 Acres	2019
					Nonpoint Source		
				DDT (tissue)		243 Acres	2019
					Nonpoint Source		
				Mercury (tissue)		243 Acres	2019
					Nonpoint Source		
				Organic Enrichment/Low Dissolved Oxygen		243 Acres	2019
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls) (tissue)		243 Acres	2019
					Nonpoint Source		
4	C	Puerco Beach	40431000	DDT		0.5 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		0.5 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	C	Redondo Beach	40512000	DDT		1.5 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.5 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	R	Rio De Santa Clara/Oxnard Drain No. 3	40311000	ChemA (tissue)	Nonpoint Source	1.9 Miles	2019
				Chlordane (tissue)	Nonpoint Source	1.9 Miles	2019
				DDT (tissue)	Nonpoint Source	1.9 Miles	2019
				Nitrogen	Nonpoint Source	1.9 Miles	2019
				PCBs (Polychlorinated biphenyls) (tissue)	Nonpoint Source	1.9 Miles	2019
				Sediment Toxicity	Nonpoint Source	1.9 Miles	2019
				Toxaphene (tissue)	Nonpoint Source	1.9 Miles	2019
4	R	Rio Hondo Reach 1 (Confl. LA River to Snt Ana Fwy)	40515010	Coliform Bacteria	Nonpoint/Point Source	4.6 Miles	2009
				Trash	Nonpoint/Point Source	4.6 Miles	2002
4	R	Rio Hondo Reach 2 (At Spreading Grounds)	40515010	Coliform Bacteria	Nonpoint/Point Source	4.9 Miles	2009
4	C	Robert H. Meyer Memorial Beach	40441000	Beach Closures	Nonpoint Source	1.2 Miles	2019
				DDT	Nonpoint Source	1.2 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>	Nonpoint Source		

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				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>		1.2 Miles	2019
				Nonpoint Source			
4	C	Royal Palms Beach	40511000	DDT <i>Fish consumption advisory for DDT.</i>		1.1 Miles	2019
				Nonpoint Source			
				PCBs (Polychlorinated biphenyls) <i>Fish consumption advisory for PCBs.</i>		1.1 Miles	2019
				Nonpoint Source			
4	R	San Antonio Creek (Tributary to Ventura River Reach 4)	40220023	Nitrogen		9.8 Miles	2019
				Nonpoint Source			
4	R	San Gabriel River Reach 1 (Estuary to Firestone)	40515010	Coliform Bacteria		6.4 Miles	2019
				Nonpoint/Point Source			
				pH		6.4 Miles	2019
				Source Unknown			
4	R	San Gabriel River Reach 2 (Firestone to Whittier Narrows Dam)	40515010	Coliform Bacteria		12 Miles	2019
				Nonpoint/Point Source			
				Lead		12 Miles	2019
				Nonpoint/Point Source			
4	R	San Jose Creek Reach 1 (SG Confluence to Temple St.)	40531000	Coliform Bacteria		2.7 Miles	2019
				Nonpoint/Point Source			

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4	R	San Jose Creek Reach 2 (Temple to I-10 at White Ave.)	40531000	Coliform Bacteria		17 Miles	2019
					Nonpoint/Point Source		
4	B	San Pedro Bay Near/Off Shore Zones	40512000	Chlordane		8173 Acres	2019
					Source Unknown		
				Chromium (sediment)		8173 Acres	2019
					Nonpoint/Point Source		
				Copper (sediment)		8173 Acres	2019
					Nonpoint/Point Source		
				DDT (tissue & sediment)		8173 Acres	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint/Point Source		
				PAHs (Polycyclic Aromatic Hydrocarbons) (sediment)		8173 Acres	2019
					Nonpoint/Point Source		
				PCBs (Polychlorinated biphenyls)		8173 Acres	2019
				<i>Fish consumption advisory for PCBs.</i>			
					Nonpoint/Point Source		
				Sediment Toxicity		8173 Acres	2019
					Nonpoint/Point Source		
				Zinc (sediment)		8173 Acres	2019
					Nonpoint/Point Source		
4	E	Santa Clara River Estuary	40311000	ChemA		49 Acres	2019
					Source Unknown		
				Coliform Bacteria		49 Acres	2019
					Nonpoint Source		

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				Toxaphene		49 Acres	2019
					Nonpoint Source		
4	R	Santa Clara River Reach 1 (Estuary to Hwy 101 Bridge)	40311000				
				Toxicity		10 Miles	2019
					Source Unknown		
4	R	Santa Clara River Reach 3 (Freeman Diversion to A Street)	40331000				
				Total Dissolved Solids		31 Miles	2019
					Nonpoint/Point Source		
4	R	Santa Clara River Reach 5 (Blue Cut gaging station to West Pier Hwy 99 Bridge) (was named Santa Clara River Reach 7 on 2002 303(d) list)	40351000				
				Coliform Bacteria		9.4 Miles	2019
					Nonpoint/Point Source		
4	R	Santa Clara River Reach 6 (W Pier Hwy 99 to Bouquet Cyn Rd) (was named Santa Clara River Reach 8 on 2002 303(d) list)	40351000				
				Chlorpyrifos		5.2 Miles	2019
					Source Unknown		
				Coliform Bacteria		5.2 Miles	2019
					Nonpoint/Point Source		
				Diazinon		5.2 Miles	2019
					Source Unknown		
				Toxicity		5.2 Miles	2019
					Source Unknown		

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4	R	Santa Clara River Reach 7 ( Bouquet Canyon Rd to above Lang Gaging Station) (was named Santa Clara River Reach 9 on 2002 303(d) list)	40351000	Coliform Bacteria		21 Miles	2019
Nonpoint/Point Source							
4	R	Santa Clara River Reach 11 (Piru Creek, from confluence with Santa Clara River Reach 4 to gaging station below Santa Felicia Dam)	40341000	Boron		6.2 Miles	2019
Source Unknown							
				Sulfates		6.2 Miles	2019
Source Unknown							
4	L	Santa Fe Dam Park Lake	40531000	Copper		20 Acres	2019
Nonpoint Source							
				Lead		20 Acres	2019
Nonpoint Source							
				pH		20 Acres	2019
Nonpoint Source							
4	B	Santa Monica Bay Offshore/Nearshore	40513000	DDT (tissue & sediment) <i>Centered on Palos Verdes Shelf.</i>		146645 Acres	2019
Nonpoint/Point Source							
				Debris		146645 Acres	2019
Nonpoint/Point Source							
				Fish Consumption Advisory		146645 Acres	2019
Nonpoint/Point Source							

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				PCBs (Polychlorinated biphenyls)	(tissue & sediment)	146645 Acres	2019
					Nonpoint/Point Source		
				Sediment Toxicity		146645 Acres	2019
					Nonpoint/Point Source		
4	R	Santa Monica Canyon	40513000	Lead		2.7 Miles	2019
					Nonpoint Source		
4	R	Sawpit Creek	40531000	Bis(2ethylhexyl)phthalate/DEHP		3.9 Miles	2019
					Source Unknown		
				Fecal Coliform		3.9 Miles	2019
					Source Unknown		
4	C	Sea Level Beach	40441000	DDT		0.21 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		0.21 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	R	Sepulveda Canyon	405.13	Ammonia		0.83 Miles	2019
					Nonpoint Source		
				Lead		0.83 Miles	2019
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
4	R	Sespe Creek (from 500 ft below confluence with Little Sespe Cr to headwaters)	40332020	Chloride		54 Miles	2019
				pH	Nonpoint Source	54 Miles	2019
					Nonpoint Source		
4	R	Stokes Creek	40422020	Coliform Bacteria		4.7 Miles	2005
					Nonpoint Source		
4	C	Topanga Beach	40413000	DDT		2.5 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>	Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		2.5 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>	Nonpoint Source		
4	R	Topanga Canyon Creek	40411000	Lead		8.6 Miles	2019
					Nonpoint Source		
4	R	Torrance Carson Channel	40512000	Coliform Bacteria		3.4 Miles	2007
					Nonpoint Source		
				Copper		3.4 Miles	2019
					Nonpoint Source		
				Lead		3.4 Miles	2019
					Nonpoint Source		
4	C	Trancas Beach (Broad Beach)	40437000	DDT		1.7 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>	Nonpoint Source		

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs (Polychlorinated biphenyls) <i>Fish Consumption Advisory for PCBs.</i>		1.7 Miles	2019
					Nonpoint Source		
4	R	Triunfo Canyon Creek Reach 1	40424000	Lead		2.5 Miles	2019
					Nonpoint Source		
				Mercury		2.5 Miles	2019
					Nonpoint Source		
				Sedimentation/Siltation		2.5 Miles	2019
					Source Unknown		
4	R	Triunfo Canyon Creek Reach 2	40424000	Lead		3.3 Miles	2019
					Nonpoint Source		
				Mercury		3.3 Miles	2019
					Nonpoint Source		
				Sedimentation/Siltation		3.3 Miles	2019
					Source Unknown		
4	R	Tujunga Wash (LA River to Hansen Dam)	40521000	Coliform Bacteria		9.7 Miles	2009
					Nonpoint Source		
				Trash		9.7 Miles	2019
					Nonpoint Source		
4	B	Ventura Harbor: Ventura Keys	40311000	Coliform Bacteria		179 Acres	2019
					Nonpoint Source		
4	C	Ventura Marina Jetties	40311000	DDT		0.69 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs (Polychlorinated biphenyls)		0.69 Miles	2019
					Source Unknown		
4	R	Ventura River Estuary	40210011	Algae		0.2 Miles	2019
					Nonpoint/Point Source		
				Eutrophic		0.2 Miles	2019
					Nonpoint/Point Source		
				Total Coliform		0.2 Miles	2019
				<i>Stables and horse property may be the sources.</i>			
					Nonpoint Source		
				Trash		0.2 Miles	2019
					Nonpoint/Point Source		
4	R	Ventura River Reach 1 and 2 (Estuary to Weldon Canyon)	40210011	Algae		4.5 Miles	2019
					Nonpoint/Point Source		
4	R	Ventura River Reach 3 (Weldon Canyon to Confl. w/ Coyote Cr)	40210011	Pumping		2.8 Miles	2019
					Nonpoint Source		
				Water Diversion		2.8 Miles	2019
					Nonpoint Source		
4	R	Ventura River Reach 4 (Coyote Creek to Camino Cielo Rd)	40220021	Pumping		19 Miles	2019
					Nonpoint Source		
				Water Diversion		19 Miles	2019
					Nonpoint Source		
4	R	Verdugo Wash Reach 1 (LA River to Verdugo Rd.)	40521000	Coliform Bacteria		2 Miles	2009
					Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Trash		2 Miles	2002
Nonpoint Source							
4	R	Verdugo Wash Reach 2 (Above Verdugo Road)	40524000				
				Coliform Bacteria		7.6 Miles	2009
Nonpoint Source							
				Trash		7.6 Miles	2002
Nonpoint Source							
4	R	Walnut Creek Wash (Drains from Puddingstone Res)	40531000				
				pH		12 Miles	2007
Nonpoint/Point Source							
				Toxicity		12 Miles	2007
Nonpoint/Point Source							
4	L	Westlake Lake	40425000				
				Algae		119 Acres	2006
Nonpoint Source							
				Ammonia		119 Acres	2006
Nonpoint Source							
				Eutrophic		119 Acres	2006
Nonpoint Source							
				Lead		119 Acres	2019
Nonpoint Source							
				Organic Enrichment/Low Dissolved Oxygen		119 Acres	2006
Nonpoint Source							
4	R	Wheeler Canyon/Todd Barranca	40321000				
				Sulfates		10 Miles	2019
Nonpoint Source							

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Total Dissolved Solids		10 Miles	2019
					Nonpoint Source		
4	C	Whites Point Beach	40511000	DDT		1.1 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.1 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
4	R	Wilmington Drain	40342000	Ammonia		0.56 Miles	2019
					Nonpoint Source		
				Coliform Bacteria		0.56 Miles	2007
					Nonpoint Source		
				Copper		0.56 Miles	2019
					Nonpoint Source		
				Lead		0.56 Miles	2019
					Nonpoint Source		
4	C	Zuma Beach (Westward Beach)	40436000	DDT		1.6 Miles	2019
				<i>Fish Consumption Advisory for DDT.</i>			
					Nonpoint Source		
				PCBs (Polychlorinated biphenyls)		1.6 Miles	2019
				<i>Fish Consumption Advisory for PCBs.</i>			
					Nonpoint Source		
5	R	American River, Lower (Nimbus Dam to confluence with Sacramento River)	51921000	Mercury		27 Miles	2008
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Unknown Toxicity		27 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	American River, South Fork (below Slab Creek Reservoir to Folsom Lake)	51432060	Mercury		37 Miles	2019
					Source Unknown		
5	R	Arcade Creek	51921000	Copper		9.9 Miles	2020
					Urban Runoff/Storm Sewers		
5	R	Avena Drain	53140000	Ammonia		6.4 Miles	2020
					Agriculture Dairies		
				Pathogens		6.4 Miles	2020
					Agriculture Dairies		
5	R	Bear River (Amador Co, Lower Bear River Reservoir to Mokelumne River, N Fork)	53260050	Copper		5.4 Miles	2019
					Source Unknown		
5	R	Bear River, Lower (below Camp Far West Reservoir)	51510000	Diazinon		21 Miles	2008
					Agriculture		
5	R	Bear River, Upper	51633010	Mercury		10 Miles	2011
					Resource Extraction		
5	L	Berryessa, Lake	51221010	Mercury		19083 Acres	2015
					Resource Extraction		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	L	Black Butte Reservoir	50432000	Mercury	Resource Extraction	4507 Acres	2015
5	R	Butte Slough	52030000	Diazinon	Crop-Related Sources	8.9 Miles	2008
5	R	Cache Creek, Lower (Clear Lake Dam to Cache Creek Settling Basin near Yolo Bypass)	51120000	Unknown Toxicity	Source Unknown	96 Miles	2019
5	R	Calaveras River, Lower	54400000	Organic Enrichment/Low Dissolved Oxygen	Urban Runoff/Storm Sewers	5.8 Miles	2008
				Pathogens	Urban Runoff/Storm Sewers Recreational and Tourism Activities (non-boating)	5.8 Miles	2008
5	L	Camanche Reservoir	53120000	Copper	Resource Extraction	7389 Acres	2020
				Zinc	Resource Extraction	7389 Acres	2020
5	L	Camp Far West Reservoir	51631013	Mercury	Resource Extraction	1945 Acres	2011
5	R	Carson Creek (from WWTP to Deer Creek)	53222013	Aluminum	Source Unknown	12 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Manganese		12 Miles	2019
					Source Unknown		
5	L	Clear Lake	51352000	Nutrients		40070 Acres	2006
					Source Unknown		
5	R	Clover Creek	50732000	Fecal Coliform		11 Miles	2012
					Agriculture-grazing Other		
5	R	Colusa Basin Drain	52010000	Azinphos-methyl (Guthion)		49 Miles	2008
					Agriculture		
				Carbofuran		49 Miles	2008
					Agriculture		
				Diazinon		49 Miles	2008
					Agriculture		
				Group A Pesticides		49 Miles	2011
					Agriculture		
				Malathion		49 Miles	2008
					Agriculture		
				Methyl Parathion		49 Miles	2008
					Agriculture		
				Molinate/Ordram		49 Miles	2008
					Agriculture-irrigation tailwater		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Unknown Toxicity		49 Miles	2019
					Agriculture		
5	L	Combie, Lake	51633011	Mercury		362 Acres	2011
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
5	R	Cosumnes River	53111000	Exotic Species		53 Miles	2019
				<i>This exotic species listing covers the entire watershed, i.e., the mainstem and the North, Middle and South Forks of the Cosumnes River.</i>			
					Source Unknown		
5	L	Davis Creek Reservoir	51332010	Mercury		163 Acres	2010
					Resource Extraction		
5	R	Deer Creek (Sacramento County)	53222012	Iron		12 Miles	2019
					Source Unknown		
5	R	Deer Creek (Yuba County)	51712014	pH		4.3 Miles	2011
					Internal Nutrient Cycling (primarily lakes)		
5	R	Del Puerto Creek	54110000	Chlorpyrifos		6.5 Miles	2008
					Agriculture		
				Diazinon		6.5 Miles	2008
					Agriculture		
				Pyrethroids		6.5 Miles	2019
					Source Unknown		

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5	E	Delta Waterways (central portion)	54400000	Chlorpyrifos		11425 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				DDT		11425 Acres	2011
					Agriculture		
				Diazinon		11425 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				Exotic Species		11425 Acres	2019
					Source Unknown		
				Group A Pesticides		11425 Acres	2011
					Agriculture		
				Mercury		11425 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Unknown Toxicity		11425 Acres	2019
					Source Unknown		
5	E	Delta Waterways (eastern portion)	54400000	DDT		2972 Acres	2011
					Agriculture		
				Exotic Species		2972 Acres	2019
					Source Unknown		
				Group A Pesticides		2972 Acres	2011
					Agriculture		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury		2972 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Unknown Toxicity		2972 Acres	2019
					Source Unknown		
5	E	Delta Waterways (export area)	54400000	Chlorpyrifos		583 Acres	2019
					Agriculture		
					Urban Runoff/Storm Sewers		
				DDT		583 Acres	2011
					Agriculture		
				Diazinon		583 Acres	2019
					Agriculture		
					Urban Runoff/Storm Sewers		
				Electrical Conductivity		583 Acres	2019
					Agriculture		
				Exotic Species		583 Acres	2019
					Source Unknown		
				Group A Pesticides		583 Acres	2011
					Agriculture		
				Mercury		583 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Unknown Toxicity		583 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	E	Delta Waterways (northern portion)	51000000	Chlorpyrifos		6795 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				DDT		6795 Acres	2011
					Agriculture		
				Diazinon		6795 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				Exotic Species		6795 Acres	2019
					Source Unknown		
				Group A Pesticides		6795 Acres	2011
					Agriculture		
				Mercury		6795 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				PCBs (Polychlorinated biphenyls)		6795 Acres	2019
					Source Unknown		
				Unknown Toxicity		6795 Acres	2019
					Source Unknown		
5	E	Delta Waterways (northwestern portion)	51000000	Chlorpyrifos		2587 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				DDT		2587 Acres	2011
					Agriculture		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Diazinon		2587 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				Electrical Conductivity		2587 Acres	2019
					Agriculture		
				Exotic Species		2587 Acres	2019
					Source Unknown		
				Group A Pesticides		2587 Acres	2011
					Agriculture		
				Mercury		2587 Acres	2006
					<i>All resource extraction sources are abandoned mines.</i> Resource Extraction		
				Unknown Toxicity		2587 Acres	2019
					Source Unknown		
5	E	Delta Waterways (southern portion)	54400000				
				Chlorpyrifos		3125 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				DDT		3125 Acres	2011
					Agriculture		
				Diazinon		3125 Acres	2019
					Agriculture Urban Runoff/Storm Sewers		
				Electrical Conductivity		3125 Acres	2019
					Agriculture		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Exotic Species		3125 Acres	2019
					Source Unknown		
				Group A Pesticides		3125 Acres	2011
					Agriculture		
				Mercury		3125 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Unknown Toxicity		3125 Acres	2019
					Source Unknown		
5	E	Delta Waterways (Stockton Ship Channel)	54400000				
				DDT		1603 Acres	2011
					Agriculture		
				Dioxin		1603 Acres	2019
				<i>The areas of the ship channel impacted by dioxin contamination in sportfish encompass Old Mormon Slough, New Mormon Slough, McLeod Lake, Turning Basin, Morrelli Boat Ramp, and Louis Park Boat Ramp (California Department of Health Services 1998 warning). This listing was made by USEPA in 1998 and was under the Stockton Turning Basin, upper (Port Turning Basin) on previous lists. In order to consolidate listings for same areas, all listings for Stockton Turning Basin are now under the Delta Waterways (Stockton Ship Channel).</i>			
					Point Source		
				Exotic Species		1603 Acres	2019
					Source Unknown		
				Furan Compounds		1603 Acres	2019
				<i>This listing was previously under Stockton Turning Basin, upper (Port Turning Basin). In order to consolidate listings for same areas, all listings for Stockton Turning Basin are now under the Delta Waterways (Stockton Ship Channel).</i>			
					Contaminated Sediments		
				Group A Pesticides		1603 Acres	2011
					Agriculture		
				Mercury		1603 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Pathogens</b>		1603 Acres	2008
				<i>This listing was previously under Stockton Turning Basin, upper (Port Turning Basin). In order to consolidate listings for same areas, all listings for Stockton Turning Basin are now under the Delta Waterways (Stockton Ship Channel).</i>			
				<b>Urban Runoff/Storm Sewers</b>			
				<b>Recreational and Tourism Activities (non-boating)</b>			
				<b>PCBs (Polychlorinated biphenyls)</b>		1603 Acres	2019
				<i>The areas of the ship channel impacted by PCB contamination in sportfish encompass Old Mormon Slough, New Mormon Slough, McLeod Lake, Turning Basin, Morrelli Boat Ramp, and Louis Park Boat Ramp (California Department of Health Services 1998 warning). This listing was made by USEPA in 1998 and was under the Stockton Turning Basin, upper (Port Turning Basin) on previous lists. In order to consolidate listings for same areas, all listings for Stockton Turning Basin are now under the Delta Waterways (Stockton Ship Channel).</i>			
				<b>Point Source</b>			
				<b>Unknown Toxicity</b>		1603 Acres	2019
				<b>Source Unknown</b>			
5	E	Delta Waterways (western portion)	54400000	<b>DDT</b>		14524 Acres	2011
					<b>Agriculture</b>		
				<b>Electrical Conductivity</b>		14524 Acres	2019
					<b>Agriculture</b>		
				<b>Exotic Species</b>		14524 Acres	2019
					<b>Source Unknown</b>		
				<b>Group A Pesticides</b>		14524 Acres	2011
					<b>Agriculture</b>		
				<b>Mercury</b>		14524 Acres	2006
				<i>All resource extraction sources are abandoned mines.</i>			
					<b>Resource Extraction</b>		
				<b>Unknown Toxicity</b>		14524 Acres	2019
				<b>Source Unknown</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Dolly Creek	51854030	<b>Copper</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	1.5 Miles	2020
				<b>Zinc</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	1.5 Miles	2020
5	L	Don Pedro Lake	53632010	<b>Mercury</b>	<b>Resource Extraction</b>	11056 Acres	2020
5	R	Dunn Creek (Mt Diablo Mine to Marsh Creek)	54300021	<b>Mercury</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	0.7 Miles	2013
				<b>Metals</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	0.7 Miles	2020
5	L	Englebright Lake	51714013	<b>Mercury</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	754 Acres	2012
5	R	Fall River (Pit)	52641031	<b>Sedimentation/Siltation</b>	<b>Agriculture-grazing</b> <b>Historic Land Management Activities</b> <b>Highway/Road/Bridge Construction</b>	8.6 Miles	2016
5	R	Feather River, Lower (Lake Oroville Dam to Confluence with Sacramento River)	51922000	<b>Chlorpyrifos</b>	<b>Source Unknown</b>	42 Miles	2019

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				Group A Pesticides		42 Miles	2011
					Agriculture		
				Mercury		42 Miles	2009
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Unknown Toxicity		42 Miles	2019
					Source Unknown		
5	R	Feather River, North Fork (below Lake Almanor)	51812000				
				Mercury		49 Miles	2019
					Source Unknown		
				Temperature, water		49 Miles	2019
					Source Unknown		
5	R	Five Mile Slough (Alexandria Place to Fourteen Mile Slough)	54400000				
				Organic Enrichment/Low Dissolved Oxygen		1.6 Miles	2008
					Urban Runoff/Storm Sewers		
				Pathogens		1.6 Miles	2008
					Other Urban Runoff		
					Recreational and Tourism Activities (non-boating)		
5	R	French Ravine	51632011				
				Bacteria		1.7 Miles	2019
					Land Disposal		
5	W	Grasslands Marshes	54120000				
				Electrical Conductivity		7962 Acres	2008
					Agriculture		
5	R	Grayson Drain (at outfall)	54110000				
				Sediment Toxicity		0.03 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Harding Drain (Turlock Irrigation District Lateral #5)	53550000	Chlorpyrifos		8.3 Miles	2008
					Agriculture		
				Unknown Toxicity		8.3 Miles	2019
					Agriculture		
5	R	Horse Creek (Rising Star Mine to Shasta Lake)	50610000	Cadmium		0.52 Miles	2020
					<i>All resource extraction sources are abandoned mines.</i>		
					Resource Extraction		
				Copper		0.52 Miles	2020
					<i>All resource extraction sources are abandoned mines.</i>		
		Resource Extraction					
				Lead		0.52 Miles	2020
					<i>All resource extraction sources are abandoned mines.</i>		
					Resource Extraction		
				Zinc		0.52 Miles	2020
					<i>All resource extraction sources are abandoned mines.</i>		
					Resource Extraction		
5	R	Humbug Creek	51732030	Copper		2.2 Miles	2020
					<i>All resource extraction sources are abandoned mines.</i>		
					Resource Extraction		
				Mercury		2.2 Miles	2012
					<i>All resource extraction sources are abandoned mines.</i>		
		Resource Extraction					
				Sedimentation/Siltation		2.2 Miles	2012
					<i>All resource extraction sources are abandoned mines.</i>		
					Resource Extraction		
				Zinc		2.2 Miles	2020
					<i>All resource extraction sources are abandoned mines.</i>		
					Resource Extraction		

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5	R	Ingram Creek (from confluence with Hospital Creek to Hwy 33 crossing)	54110000	Pyrethroids		2.8 Miles	2019
Source Unknown							
5	R	Ingram Creek (from confluence with San Joaquin River to confluence with Hospital Creek)	54110000	Chlorpyrifos		2.1 Miles	2008
Agricultural Return Flows							
				Diazinon		2.1 Miles	2008
Agricultural Return Flows							
				Pyrethroids		2.1 Miles	2019
Source Unknown							
5	R	Jack Slough	51540000	Diazinon		14 Miles	2008
Agriculture							
5	R	James Creek	51224010	Mercury		6.3 Miles	2015
<i>Resource extraction sources are abandoned mines.</i>							
Resource Extraction							
				Nickel		6.3 Miles	2020
<i>Resource extraction sources are abandoned mines.</i>							
Resource Extraction							
5	R	Kanaka Creek	51742022	Arsenic		9.7 Miles	2020
<i>All resource extraction sources are abandoned mines.</i>							
Resource Extraction							
5	L	Kaweah Lake	55344010	Mercury		1702 Acres	2019
Source Unknown							

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	L	Keswick Reservoir (portion downstream from Spring Creek)	52440013	Cadmium	Resource Extraction	135 Acres	2020
				Copper	Resource Extraction	135 Acres	2020
				Zinc	Resource Extraction	135 Acres	2020
5	R	Kings River, Lower (Island Weir to Stinson and Empire Weirs)	55190000	Electrical Conductivity	Agriculture	36 Miles	2015
				Molybdenum	Agriculture	36 Miles	2015
				Toxaphene	Agriculture	36 Miles	2015
5	R	Little Backbone Creek, Lower	50620010	Acid Mine Drainage	Resource Extraction	0.95 Miles	2020
				Cadmium	<i>All resource extraction sources are abandoned mines.</i> Resource Extraction	0.95 Miles	2020
				Copper	<i>All resource extraction sources are abandoned mines.</i> Resource Extraction	0.95 Miles	2020
				Zinc	<i>All resource extraction sources are abandoned mines.</i> Resource Extraction	0.95 Miles	2020
5	R	Little Cow Creek (downstream from Afterthought Mine)	50733023	Cadmium	<i>Resource extraction sources are abandoned mines.</i> Resource Extraction	1.1 Miles	2020

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Copper		1.1 Miles	2020
				<i>Resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Zinc		1.1 Miles	2020
				<i>Resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
5	R	Little Deer Creek	51720012				
				Mercury		4.1 Miles	2012
					Resource Extraction		
5	R	Little Grizzly Creek	51854031				
				Copper		9.4 Miles	2020
					Mine Tailings		
				Zinc		9.4 Miles	2020
					Mine Tailings		
5	R	Lone Tree Creek	53140000				
				Ammonia		15 Miles	2020
					Dairies		
				BOD, Biochemical oxygen demand		15 Miles	2020
					Dairies		
				Electrical Conductivity		15 Miles	2020
					Dairies		
5	L	Lower Bear River Reservoir	53260043				
				Copper		725 Acres	2019
					Source Unknown		
5	R	Main Drainage Canal	52040000				
				Diazinon		9.2 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Marsh Creek (Dunn Creek to Marsh Creek Reservoir)	54300023	Mercury <i>All resource extraction sources are abandoned mines.</i>	Resource Extraction	11 Miles	2019
				Metals <i>All resource extraction sources are abandoned mines.</i>	Resource Extraction	11 Miles	2020
5	R	Marsh Creek (Marsh Creek Reservoir to San Joaquin River)	54400000	Mercury <i>All resource extraction sources are abandoned mines.</i>	Resource Extraction	10 Miles	2013
5	L	Marsh Creek Reservoir	54300023	Mercury	Resource Extraction	278 Acres	2013
5	R	Merced River, Lower (McSwain Reservoir to San Joaquin River)	53550000	Chlorpyrifos	Agriculture	50 Miles	2008
				Diazinon	Agriculture	50 Miles	2008
				Group A Pesticides	Agriculture	50 Miles	2011
				Mercury	Source Unknown	50 Miles	2019
5	R	Middle River	54400000	Low Dissolved Oxygen	Hydromodification Source Unknown	9.7 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Mokelumne River, Lower	5440000	Copper	Resource Extraction	29 Miles	2020
				Zinc	Resource Extraction	29 Miles	2020
5	R	Mokelumne River, North Fork	53260014	Copper	Source Unknown	43 Miles	2019
5	R	Mormon Slough (Commerce Street to Stockton Deep Water Channel)	5440000	Organic Enrichment/Low Dissolved Oxygen	Urban Runoff/Storm Sewers	0.93 Miles	2008
				Pathogens	Urban Runoff/Storm Sewers Recreational and Tourism Activities (non-boating)	0.93 Miles	2008
5	R	Mormon Slough (Stockton Diverting Canal to Commerce Street)	53130000	Pathogens	Urban Runoff/Storm Sewers Recreational and Tourism Activities (non-boating)	5.2 Miles	2008
5	R	Morrison Creek	51911000	Chlorpyrifos	<i>This chlorpyrifos listing on applies to the area of Morrison Creek from Elk Grove-Florin Rd to Beach Lake.</i> Source Unknown	26 Miles	2019
5	R	Mosher Slough (downstream of I-5)	5440000	Organic Enrichment/Low Dissolved Oxygen	Urban Runoff/Storm Sewers	1.3 Miles	2008
				Pathogens	Urban Runoff/Storm Sewers	1.3 Miles	2008

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Mosher Slough (upstream of I-5)	54400000	Pathogens	Urban Runoff/Storm Sewers	3.5 Miles	2008
5	R	Mud Slough	54120000	Boron	Agriculture	13 Miles	2008
				Electrical Conductivity	Agriculture	13 Miles	2008
				Pesticides	Agriculture	13 Miles	2019
				Unknown Toxicity	Agriculture	13 Miles	2019
5	L	Natoma, Lake	51921000	Mercury	Source Unknown	485 Acres	2019
5	R	Natomas East Main Drainage Canal (aka Steelhead Creek, downstream of confluence with Arcade Creek)	51921000	Diazinon	<i>The agricultural source is from aerial deposition.</i> Agriculture Urban Runoff/Storm Sewers	3.5 Miles	2008
				PCBs (Polychlorinated biphenyls)	Industrial Point Sources Agriculture Urban Runoff/Storm Sewers	3.5 Miles	2020
5	R	Natomas East Main Drainage Canal (aka Steelhead Creek, upstream of confluence with Arcade Creek)	51921000	PCBs (Polychlorinated biphenyls)	Industrial Point Sources Agriculture Urban Runoff/Storm Sewers	12 Miles	2020

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Newman Wasteway	54120000	Chlorpyrifos	Agriculture	8.3 Miles	2008
				Diazinon	Agriculture	8.3 Miles	2008
5	R	Oak Run Creek	50733000	Fecal Coliform	Combined Sewer Overflow Agriculture Grazing-Related Sources Pasture Grazing-Upland Natural Sources	5.6 Miles	2012
5	R	Old River (San Joaquin River to Delta-Mendota Canal)	54400000	Low Dissolved Oxygen	Hydromodification Source Unknown	15 Miles	2019
5	R	Orestimba Creek (above Kilburn Road)	54110000	Azinphos-methyl (Guthion)	Agriculture	9.1 Miles	2008
				Chlorpyrifos	Agriculture	9.1 Miles	2008
				DDE <i>Historical agricultural use.</i>	Agriculture	9.1 Miles	2011
				Diazinon	Agriculture	9.1 Miles	2008
5	R	Orestimba Creek (below Kilburn Road)	54110000	Azinphos-methyl (Guthion)	Agriculture	2.7 Miles	2008

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Chlorpyrifos		2.7 Miles	2008
					Agriculture		
				DDE		2.7 Miles	2011
					Agriculture		
				Diazinon		2.7 Miles	2008
					Agriculture		
				Sediment Toxicity		2.7 Miles	2019
					Source Unknown		
				Unknown Toxicity		2.7 Miles	2019
					Agriculture		
5	R	Panoche Creek (Silver Creek to Belmont Avenue)	55112000				
				Mercury		18 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Sedimentation/Siltation		18 Miles	2007
					Agriculture		
					Agriculture-grazing		
					Highway/Road/Bridge Construction		
				Selenium		18 Miles	2007
					Agriculture		
					Agriculture-grazing		
					Highway/Road/Bridge Construction		
5	R	Pit River	52661080				
				Nutrients		123 Miles	2013
					Agriculture		
					Agriculture-grazing		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Organic Enrichment/Low Dissolved Oxygen		123 Miles	2013
					Agriculture Agriculture-grazing		
				Temperature, water		123 Miles	2013
					Agriculture Agriculture-grazing		
5	R	Putah Creek (Solano Lake to Putah Creek Sinks)	51120000	Mercury <i>All resource extraction sources are abandoned mines.</i>	Resource Extraction Source Unknown	27 Miles	2015
5	L	Rollins Reservoir	51634033	Mercury	Resource Extraction	774 Acres	2012
5	R	Sacramento River (Keswick Dam to Cottonwood Creek)	52440014	Unknown Toxicity	Source Unknown	15 Miles	2019
5	R	Sacramento River ( Cottonwood Creek to Red Bluff)	50810000	Unknown Toxicity	Source Unknown	16 Miles	2019
5	R	Sacramento River ( Red Bluff to Knights Landing)	50420070	Mercury <i>This mercury listing only applies to the area from Hamilton City downstream to Knights Landing.</i>	Source Unknown	82 Miles	2019
				Unknown Toxicity	Source Unknown	82 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Sacramento River (Knights Landing to the Delta)	5100000	Mercury		16 Miles	2010
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
5	R	Sacramento Slough	51922000	Unknown Toxicity		16 Miles	2019
					Source Unknown		
5	R	Salt Slough (upstream from confluence with San Joaquin River)	54120000	Mercury		1.7 Miles	2020
					Source Unknown		
				Boron		17 Miles	2008
					Agriculture		
				Chlorpyrifos		17 Miles	2008
					Agriculture		
				Diazinon		17 Miles	2008
	Agriculture						
5	R	San Carlos Creek (downstream of New Idria Mine)	55911085	Electrical Conductivity		17 Miles	2008
					Agriculture		
				Unknown Toxicity		17 Miles	2019
				Agriculture			
5	R	San Carlos Creek (downstream of New Idria Mine)	55911085	Mercury		5.1 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction Acid Mine Drainage		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	San Joaquin River (Mendota Pool to Bear Creek)	54110000	Boron		88 Miles	2006
				DDT	Agriculture	88 Miles	2011
				Electrical Conductivity	Agriculture	88 Miles	2006
				Group A Pesticides	Agriculture	88 Miles	2011
				Unknown Toxicity	Agriculture	88 Miles	2019
					Source Unknown		
5	R	San Joaquin River (Bear Creek to Mud Slough)	54120000	Boron		14 Miles	2006
				DDT	Agriculture	14 Miles	2011
				Electrical Conductivity	Agriculture	14 Miles	2006
				Group A Pesticides	Agriculture	14 Miles	2011
				Mercury	Agriculture	14 Miles	2020
				Unknown Toxicity	Resource Extraction	14 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	San Joaquin River ( Mud Slough to Merced River)	54110000	Boron		3 Miles	2006
				DDT	Agriculture	3 Miles	2011
				Electrical Conductivity	Agriculture	3 Miles	2006
				Group A Pesticides	Agriculture	3 Miles	2011
				Mercury	Agriculture	3 Miles	2020
				Unknown Toxicity	Resource Extraction	3 Miles	2019
					Source Unknown		
5	R	San Joaquin River ( Merced River to Tuolumne River)	54110000	Boron		29 Miles	2006
				DDT	Agriculture	29 Miles	2011
				Electrical Conductivity	Agriculture	29 Miles	2006
				Group A Pesticides	Agriculture	29 Miles	2011
					Agriculture		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Mercury		29 Miles	2020
					Resource Extraction		
				Unknown Toxicity		29 Miles	2019
					Source Unknown		
5	R	San Joaquin River ( Tuolumne River to Stanislaus River)	53530000				
				Boron		8.4 Miles	2006
					Agriculture		
				DDT		8.4 Miles	2011
					Agriculture		
				Electrical Conductivity		8.4 Miles	2006
					Agriculture		
				Group A Pesticides		8.4 Miles	2011
					Agriculture		
				Mercury		8.4 Miles	2020
					Resource Extraction		
				Unknown Toxicity		8.4 Miles	2019
					Agriculture		
5	R	San Joaquin River (Friant Dam to Mendota Pool)	54510000				
				Exotic Species		70 Miles	2019
					Source Unknown		
5	R	San Joaquin River (Stanislaus River to Delta Boundary)	54400000				
				Boron		3 Miles	2004
					Agriculture		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				DDT		3 Miles	2011
					Agriculture		
				Electrical Conductivity		3 Miles	2004
					Agriculture		
				Group A Pesticides		3 Miles	2011
					Agriculture		
				Mercury		3 Miles	2020
					Resource Extraction		
				Toxaphene		3 Miles	2019
					Source Unknown		
				Unknown Toxicity		3 Miles	2019
					Agriculture		
5	L	Scotts Flat Reservoir	51720011				
				Mercury		660 Acres	2012
					Resource Extraction		
5	L	Shasta Lake (area where West Squaw Creek enters)	50620010				
				Cadmium		20 Acres	2020
					Resource Extraction		
				Copper		20 Acres	2020
					Resource Extraction		
				Zinc		20 Acres	2020
					Resource Extraction		
5	R	Smith Canal	54400000				
				Organic Enrichment/Low Dissolved Oxygen		2.4 Miles	2008
					Urban Runoff/Storm Sewers		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Pathogens		2.4 Miles	2008
					Urban Runoff/Storm Sewers Recreational and Tourism Activities (non-boating)		
5	R	South Cow Creek	50731000	Fecal Coliform		7.9 Miles	2012
					Agriculture Grazing-Related Sources Other		
5	R	Spring Creek, Lower (Iron Mountain Mine to Keswick Reservoir)	52440010	Acid Mine Drainage		2.6 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>	Resource Extraction		
				Cadmium		2.6 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>	Resource Extraction		
				Copper		2.6 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>	Resource Extraction		
				Zinc		2.6 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>	Resource Extraction		
5	R	Stanislaus River, Lower	53530000	Diazinon		59 Miles	2008
					Agriculture		
				Group A Pesticides		59 Miles	2011
					Agriculture		
				Mercury		59 Miles	2020
					Resource Extraction		
				Unknown Toxicity		59 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Sugar Pine Creek (tributary to Lower Bear River Reservoir)	53260043	Copper		2 Miles	2019
					Source Unknown		
5	R	Temple Creek	53140000	Ammonia		10 Miles	2020
					Dairies		
				Electrical Conductivity		10 Miles	2020
					Dairies		
5	R	Town Creek	50620010	Cadmium		0.98 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Copper		0.98 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Lead		0.98 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
				Zinc		0.98 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i>			
					Resource Extraction		
5	R	Tuolumne River, Lower (Don Pedro Reservoir to San Joaquin River)	53550000	Diazinon		60 Miles	2008
					Agriculture		
				Group A Pesticides		60 Miles	2011
					Agriculture		
				Unknown Toxicity		60 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Wadsworth Canal	52030000	Diazinon		16 Miles	2019
					Source Unknown		
5	R	Walker Slough	53140000	Pathogens		2.3 Miles	2008
					Urban Runoff/Storm Sewers Recreational and Tourism Activities (non-boating)		
5	R	West Squaw Creek (below Balaklala Mine)	50620010	Cadmium		2 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i> Resource Extraction			
				Copper		2 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i> Resource Extraction			
				Lead		2 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i> Resource Extraction			
				Zinc		2 Miles	2020
				<i>All resource extraction sources are abandoned mines.</i> Resource Extraction			
5	L	Whiskeytown Reservoir (areas near Oak Bottom, Brandy Creek Campgrounds and Whiskeytown)	52463010	Coliform Bacteria		98 Acres	2019
					Septage Disposal		
5	R	Willow Creek (Madera County)	54021051	Temperature, water		6.2 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
5	R	Willow Creek (Shasta County, below Greenhorn Mine to Clear Creek)	52463010	<b>Acid Mine Drainage</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	4 Miles	2020
				<b>Copper</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	4 Miles	2020
				<b>Zinc</b> <i>All resource extraction sources are abandoned mines.</i>	<b>Resource Extraction</b>	4 Miles	2020
5	R	Wolf Creek	51632010	<b>Fecal Coliform</b>	<b>Agriculture</b> <b>Urban Runoff/Storm Sewers</b> <b>Recreational and Tourism Activities (non-boating)</b>	23 Miles	2019
6	R	Big Meadow Creek	63410011	<b>Pathogens</b>	<b>Range Grazing-Riparian and/or Upland</b> <b>Natural Sources</b> <b>Recreational and Tourism Activities (non-boating)</b>	1.4 Miles	2019
6	R	Blackwood Creek	63420021	<b>Iron</b>	<b>Erosion/Siltation</b> <b>Natural Sources</b> <b>Nonpoint Source</b>	5.9 Miles	2015

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			<b>Nitrogen</b>		5.9 Miles	2008
			<i>Nitrogen loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Blackwood Creek.</i>			
				Silviculture		
				Resource Extraction		
				Hydromodification		
				Streambank Modification/Destabilization		
				Erosion/Siltation		
				Atmospheric Deposition		
				Natural Sources		
				Nonpoint Source		
			<b>Phosphorus</b>		5.9 Miles	2008
			<i>Phosphorus loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL for creek may be needed.</i>			
				Grazing-Related Sources		
				Silviculture		
				Resource Extraction		
				Hydromodification		
				Streambank Modification/Destabilization		
				Erosion/Siltation		
				Natural Sources		
				Nonpoint Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sedimentation/Siltation		5.9 Miles	2008
				<i>Creek affected by past gravel quarry operations and other watershed disturbance including grazing and timber harvest.</i>			
					Range Grazing-Riparian and/or Upland		
					Silviculture		
					Construction/Land Development		
					Surface Runoff		
					Resource Extraction		
					Hydromodification		
					Streambank Modification/Destabilization		
					Erosion/Siltation		
					Atmospheric Deposition		
					Natural Sources		
					Recreational and Tourism Activities (non-boating)		
					Nonpoint Source		
6	R	Bodie Creek	63020031	Mercury		11 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	L	Bridgeport Reservoir	63030050	Nitrogen	Grazing-Related Sources Pasture Grazing-Riparian and/or Upland Other Urban Runoff Highway/Road/Bridge Runoff Wastewater - land disposal Flow Regulation/Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Marinas and Recreational Boating Atmospheric Deposition Internal Nutrient Cycling (primarily lakes) Sediment Resuspension Natural Sources Recreational and Tourism Activities (non-boating)	2614 Acres	2006

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Phosphorus	Grazing-Related Sources Pasture Grazing-Riparian and/or Upland Other Urban Runoff Highway/Road/Bridge Runoff Wastewater - land disposal Flow Regulation/Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Marinas and Recreational Boating Atmospheric Deposition Internal Nutrient Cycling (primarily lakes) Natural Sources Recreational and Tourism Activities (non-boating)	2614 Acres	2006
				Sedimentation/Siltation	Grazing-Related Sources Streambank Modification/Destabilization Erosion/Siltation Sediment Resuspension	2614 Acres	2006
6	R	Bronco Creek	63520053	Sedimentation/Siltation <i>Watershed disturbance in naturally highly erosive watershed.</i>	Silviculture Natural Sources Nonpoint Source	1.3 Miles	2006

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	R	Buckeye Creek	63040022	Pathogens	Grazing-Related Sources Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian and/or Upland Natural Sources Recreational and Tourism Activities (non-boating)	17 Miles	2019
6	R	Carson River, West Fork (Headwaters to Woodfords)	63320014	Nitrogen	Silviculture Onsite Wastewater Systems (Septic Tanks) Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Atmospheric Deposition Highway Maintenance and Runoff Natural Sources Recreational and Tourism Activities (non-boating)	18 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Phosphorus		18 Miles	2019
				<i>Revision of standard may be considered.</i>			
					Silviculture		
					Habitat Modification		
					Removal of Riparian Vegetation		
					Streambank Modification/Destabilization		
					Channel Erosion		
					Erosion/Siltation		
					Atmospheric Deposition		
					Highway Maintenance and Runoff		
					Natural Sources		
					Recreational and Tourism Activities (non-boating)		
				Sodium		18 Miles	2019
					Onsite Wastewater Systems (Septic Tanks)		
					Atmospheric Deposition		
					Highway Maintenance and Runoff		
					Natural Sources		
					Recreational and Tourism Activities (non-boating)		
6	R	Carson River, West Fork (Paynesville to State Line)	63310013	Pathogens		3.3 Miles	2019
					Pasture Grazing-Riparian and/or Upland		
					Agriculture-storm runoff		
					Agriculture-irrigation tailwater		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	R	Carson River, West Fork (Woodfords to Paynesville)	63310012	<p><b>Nitrogen</b></p> <p><i>Revision of standards may be considered.</i></p> <p>Pasture Grazing-Riparian and/or Upland</p> <p>Range Grazing-Riparian and/or Upland</p> <p>Agriculture-storm runoff</p> <p>Agriculture-subsurface drainage</p> <p>Agriculture-irrigation tailwater</p> <p>Silviculture</p> <p>Wastewater - land disposal</p> <p>Habitat Modification</p> <p>Removal of Riparian Vegetation</p> <p>Streambank Modification/Destabilization</p> <p>Channel Erosion</p> <p>Erosion/Siltation</p> <p>Atmospheric Deposition</p> <p>Highway Maintenance and Runoff</p> <p>Natural Sources</p> <p>Recreational and Tourism Activities (non-boating)</p>		3.6 Miles	2019
				<p><b>Pathogens</b></p> <p>Pasture Grazing-Riparian and/or Upland</p> <p>Agricultural Return Flows</p> <p>Natural Sources</p> <p>Recreational and Tourism Activities (non-boating)</p>		3.6 Miles	2019

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sodium		3.6 Miles	2019
					Agriculture-storm runoff Agriculture-irrigation tailwater Agriculture-grazing Wastewater - land disposal Onsite Wastewater Systems (Septic Tanks) Atmospheric Deposition Highway Maintenance and Runoff Natural Sources Recreational and Tourism Activities (non-boating)		
6	R	Clearwater Creek	63040051	Sedimentation/Siltation		12 Miles	2006
					<i>Listed on basis of limited information; additional monitoring may support delisting.</i>		
					Range Grazing-Riparian and/or Upland Construction/Land Development Highway Maintenance and Runoff		
6	L	Crowley Lake	60310090	Ammonia		4861 Acres	2019
					Source Unknown		
				Oxygen, Dissolved		4861 Acres	2019
					Source Unknown		
6	L	Donner Lake	63520021	Priority Organics		819 Acres	2019
					<i>OEHHA is studying the lake to determine whether a fish consumption advisory is needed. There may be a 6 to 13 year period for TMDL development.</i>		
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	L	Eagle Lake (Lassen County)	63732000	Nitrogen	Agriculture Grazing-Related Sources Silviculture Other Urban Runoff Highway/Road/Bridge Runoff Wastewater Onsite Wastewater Systems (Septic Tanks) Marinas and Recreational Boating Atmospheric Deposition Internal Nutrient Cycling (primarily lakes) Sediment Resuspension Natural Sources Recreational and Tourism Activities (non-boating) Nonpoint Source	20704 Acres	2019
				Phosphorus	Grazing-Related Sources Silviculture Other Urban Runoff Highway/Road/Bridge Runoff Wastewater Onsite Wastewater Systems (Septic Tanks) Marinas and Recreational Boating Atmospheric Deposition Internal Nutrient Cycling (primarily lakes) Sediment Resuspension Natural Sources Recreational and Tourism Activities (non-boating) Nonpoint Source	20704 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	R	East Walker River, above Bridgeport Reservoir	63030050	Pathogens	Pasture Grazing-Riparian and/or Upland Other Urban Runoff Natural Sources Recreational and Tourism Activities (non-boating)	7.2 Miles	2019
6	R	East Walker River, below Bridgeport Reservoir	63030050	Nitrogen	Grazing-Related Sources Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian and/or Upland Highway/Road/Bridge Runoff Upstream Impoundment Flow Regulation/Modification Streambank Modification/Destabilization Erosion/Siltation Atmospheric Deposition Natural Sources	8 Miles	2019
				Phosphorus	Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian and/or Upland Other Urban Runoff Highway/Road/Bridge Runoff Upstream Impoundment Flow Regulation/Modification Streambank Modification/Destabilization Erosion/Siltation Atmospheric Deposition Natural Sources	8 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sedimentation/Siltation		8 Miles	2019
					Grazing-Related Sources Highway/Road/Bridge Runoff Urban Runoff--Erosion and Sedimentation Upstream Impoundment Erosion/Siltation		
6	R	General Creek	63420030	Iron		9.1 Miles	2019
					Silviculture Natural Sources		
				Phosphorus		9.1 Miles	2019
					Erosion/Siltation Atmospheric Deposition Natural Sources		
6	R	Gray Creek (Nevada County)	63520052	Sedimentation/Siltation <i>Sediment from disturbance of naturally highly erosive watershed.</i>		2.8 Miles	2006
					Silviculture Natural Sources Nonpoint Source		
6	L	Haiwee Reservoir	62410071	Copper <i>Copper problems related to algicide used to prevent taste/odor problems in drinking water supplies. TMDL development in progress. A determination of whether or not this water body is a water of the United States will be made by the Regional Water Quality Control Board.</i>		1703 Acres	2004
					Other		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	R	Heavenly Valley Creek (source to USFS boundary)	63410031	Chloride <i>Chloride standard may be revised.</i>	Highway/Road/Bridge Runoff Atmospheric Deposition Natural Sources Source Unknown	2 Miles	2019
				Phosphorus	Erosion/Siltation Atmospheric Deposition Natural Sources Recreational and Tourism Activities (non-boating)	2 Miles	2019
6	R	Heavenly Valley Creek (USFS boundary to Trout Creek)	63410031	Chloride	Highway/Road/Bridge Runoff Atmospheric Deposition Natural Sources Source Unknown	1.4 Miles	2019
				Sedimentation/Siltation	Construction/Land Development Land Development Hydromodification Habitat Modification Recreational and Tourism Activities (non-boating) Nonpoint Source	1.4 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	S	Honey Lake	63710060	<b>Arsenic</b> <i>Arsenic is ultimately from natural sources, but lake is affected by geothermal discharges. Further study needed to determine need for TMDL.</i>	Geothermal Development Flow Regulation/Modification Natural Sources Nonpoint Source	57756 Acres	2019
				<b>Salinity/TDS/Chlorides</b> <i>Further study needed to determine extent of impairment and need for TMDL.</i>	Agriculture Agricultural Return Flows Geothermal Development Agricultural Water Diversion Sediment Resuspension Natural Sources Nonpoint Source	57756 Acres	2019
6	W	Honey Lake Area Wetlands	63710060	<b>Metals</b> <i>Additional monitoring needed to determine extent of impairment and need for TMDL.</i>	Agriculture Geothermal Development Natural Sources Nonpoint Source	62590 Acres	2019
6	S	Honey Lake Wildfowl Management Ponds	63720095	<b>Metals</b> <i>Further monitoring needed to determine extent of impairment and need for TMDL.</i>	Agriculture Geothermal Development Natural Sources	665 Acres	2019
				<b>Salinity/TDS/Chlorides</b> <i>Further monitoring needed to determine extent of impairment and need for TMDL.</i>	Agriculture Geothermal Development Natural Sources	665 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Trace Elements <i>Further monitoring needed to determine extent of impairment and need for TMDL.</i>		665 Acres	2019
					Geothermal Development Nurseries		
6	R	Hot Springs Canyon Creek	63030042	Sedimentation/Siltation <i>Listed on basis of limited data; further monitoring may support delisting.</i>		2.9 Miles	2008
					Range Grazing-Riparian and/or Upland		
6	R	Indian Creek (Alpine County)	63220010	Pathogens		13 Miles	2019
					Grazing-Related Sources Pasture Grazing-Riparian and/or Upland		
6	R	Mammoth Creek	60310053	Mercury		12 Miles	2019
					Source Unknown		
				Metals <i>Needs monitoring to determine current extent of impairment and need for TMDL.</i>		12 Miles	2019
					Other Urban Runoff Natural Sources Nonpoint Source		
6	R	Monitor Creek	63210070	Aluminum <i>TMDL to be coordinated with CERCLA remediation.</i>		4 Miles	2019
					Mill Tailings Mine Tailings Acid Mine Drainage Inactive Mining Natural Sources Nonpoint/Point Source		

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			<b>Iron</b>		<b>4 Miles</b>	<b>2019</b>
			<i>TMDL to be coordinated with CERCLA remediation.</i>			
				<b>Mill Tailings</b>		
				<b>Mine Tailings</b>		
				<b>Acid Mine Drainage</b>		
				<b>Inactive Mining</b>		
				<b>Natural Sources</b>		
				<b>Nonpoint/Point Source</b>		
			<b>Manganese</b>		<b>4 Miles</b>	<b>2019</b>
			<i>TMDL to be coordinated with CERCLA remediation.</i>			
				<b>Mill Tailings</b>		
				<b>Mine Tailings</b>		
				<b>Acid Mine Drainage</b>		
				<b>Inactive Mining</b>		
				<b>Natural Sources</b>		
				<b>Nonpoint/Point Source</b>		
			<b>Silver</b>		<b>4 Miles</b>	<b>2019</b>
			<i>TMDL to be coordinated with CERCLA remediation.</i>			
				<b>Mill Tailings</b>		
				<b>Mine Tailings</b>		
				<b>Acid Mine Drainage</b>		
				<b>Inactive Mining</b>		
				<b>Natural Sources</b>		
				<b>Nonpoint Source</b>		
			<b>Sulfates</b>		<b>4 Miles</b>	<b>2019</b>
			<i>TMDL to be coordinated with CERCLA remediation.</i>			
				<b>Mill Tailings</b>		
				<b>Mine Tailings</b>		
				<b>Acid Mine Drainage</b>		
				<b>Inactive Mining</b>		
				<b>Nonpoint/Point Source</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Total Dissolved Solids <i>TMDL to be coordinated with CERCLA remediation.</i>		4 Miles	2019
					Mill Tailings Mine Tailings Acid Mine Drainage Inactive Mining Natural Sources Nonpoint/Point Source		
6	L	Pleasant Valley Reservoir	60320000	Organic Enrichment/Low Dissolved Oxygen		99 Acres	2019
					Flow Regulation/Modification Nonpoint Source		
6	R	Robinson Creek (Hwy 395 to Bridgeport Res)	63030050	Pathogens		1.8 Miles	2019
					Pasture Grazing-Riparian and/or Upland Agricultural Return Flows Onsite Wastewater Systems (Septic Tanks) Natural Sources Recreational and Tourism Activities (non-boating)		
6	R	Robinson Creek (Twin Lakes to Hwy 395)	63030050	Pathogens		9.1 Miles	2019
					Pasture Grazing-Riparian and/or Upland Onsite Wastewater Systems (Septic Tanks) Natural Sources Recreational and Tourism Activities (non-boating)		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	R	Squaw Creek	63520011	Sedimentation/Siltation		5.8 Miles	2006
					Construction/Land Development Other Urban Runoff Hydromodification Drainage/Filling Of Wetlands Highway Maintenance and Runoff Natural Sources Recreational and Tourism Activities (non-boating) Nonpoint Source		
6	R	Susan River	63720095	Mercury		58 Miles	2019
				Unknown Toxicity	Source Unknown	58 Miles	2007
					Source Unknown		
6	R	Swauger Creek	63040012	Pathogens		14 Miles	2019
					Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian and/or Upland Onsite Wastewater Systems (Septic Tanks) Natural Sources Recreational and Tourism Activities (non-boating)		

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Phosphorus	Pasture Grazing-Riparian and/or Upland Range Grazing-Riparian and/or Upland Highway/Road/Bridge Runoff Surface Runoff Streambank Modification/Destabilization Erosion/Siltation Atmospheric Deposition Natural Sources Nonpoint Source	14 Miles	2019

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# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	L	Tahoe, Lake	63430010	Nitrogen	<ul style="list-style-type: none"> <li>Grazing-Related Sources</li> <li>Silviculture</li> <li>Construction/Land Development</li> <li>Land Development</li> <li>Urban Runoff/Storm Sewers</li> <li>Urban Runoff--Non-industrial Permitted</li> <li>Other Urban Runoff</li> <li>Highway/Road/Bridge Runoff</li> <li>Surface Runoff</li> <li>Urban Runoff--Erosion and Sedimentation</li> <li>Hydromodification</li> <li>Habitat Modification</li> <li>Removal of Riparian Vegetation</li> <li>Streambank Modification/Destabilization</li> <li>Drainage/Filling Of Wetlands</li> <li>Channel Erosion</li> <li>Erosion/Siltation</li> <li>Marinas and Recreational Boating</li> <li>Atmospheric Deposition</li> <li>Highway Maintenance and Runoff</li> <li>Internal Nutrient Cycling (primarily lakes)</li> <li>Natural Sources</li> <li>Recreational and Tourism Activities (non-boating)</li> <li>Golf course activities</li> <li>Groundwater Loadings</li> </ul>	85364 Acres	2007

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Phosphorus	<ul style="list-style-type: none"> <li>Grazing-Related Sources</li> <li>Silviculture</li> <li>Highway/Road/Bridge Construction</li> <li>Land Development</li> <li>Urban Runoff/Storm Sewers</li> <li>Urban Runoff--Non-industrial Permitted</li> <li>Other Urban Runoff</li> <li>Highway/Road/Bridge Runoff</li> <li>Urban Runoff--Erosion and Sedimentation</li> <li>Streambank Modification/Destabilization</li> <li>Channel Erosion</li> <li>Erosion/Siltation</li> <li>Atmospheric Deposition</li> <li>Highway Maintenance and Runoff</li> <li>Internal Nutrient Cycling (primarily lakes)</li> <li>Sediment Resuspension</li> <li>Natural Sources</li> <li>Recreational and Tourism Activities (non-boating)</li> <li>Nonpoint Source</li> </ul>	85364 Acres	2007

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Sedimentation/Siltation		85364 Acres	2007
					Grazing-Related Sources Silviculture Highway/Road/Bridge Construction Land Development Urban Runoff/Storm Sewers Other Urban Runoff Highway/Road/Bridge Runoff Urban Runoff--Erosion and Sedimentation Hydromodification Channelization Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Atmospheric Deposition Sediment Resuspension Natural Sources Recreational and Tourism Activities (non-boating) Nonpoint Source		
6	R	Tallac Creek (below Hwy 89)	63410041	Pathogens		1.3 Miles	2019
					Grazing-Related Sources Pasture Grazing-Riparian		
6	R	Trout Creek (above Hwy 50)	63410020	Iron		10 Miles	2019
				<i>Standards revision to be considered</i>	Urban Runoff--Non-industrial Permitted Erosion/Siltation Natural Sources		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Nitrogen</b>		10 Miles	2019
				<i>Nitrogen loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Trout Creek.</i>			
					Pasture Grazing-Riparian and/or Upland		
					Urban Runoff--Non-industrial Permitted		
					Erosion/Siltation		
					Atmospheric Deposition		
				<b>Pathogens</b>		10 Miles	2019
					Source Unknown		
				<b>Phosphorus</b>		10 Miles	2019
				<i>Phosphorus loading from creek to be considered during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Trout Creek.</i>			
					Pasture Grazing-Riparian and/or Upland		
					Urban Runoff--Non-industrial Permitted		
					Erosion/Siltation		
					Atmospheric Deposition		
6	R	Trout Creek (below Hwy 50)	63410042				
				<b>Iron</b>		0.78 Miles	2019
					Urban Runoff--Non-industrial Permitted		
					Erosion/Siltation		
					Natural Sources		
				<b>Nitrogen</b>		0.78 Miles	2019
				<i>Nitrogen loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Trout Creek.</i>			
					Urban Runoff--Non-industrial Permitted		
					Erosion/Siltation		
					Atmospheric Deposition		
				<b>Pathogens</b>		0.78 Miles	2019
					Pasture Grazing-Riparian		
					Natural Sources		
					Recreational and Tourism Activities (non-boating)		
					Transient encampments		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Phosphorus</b>		0.78 Miles	2019
				<i>Phosphorus loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Trout Creek.</i>			
				<ul style="list-style-type: none"> <li>Urban Runoff--Non-industrial Permitted</li> <li>Erosion/Siltation</li> <li>Atmospheric Deposition</li> </ul>			
6	R	Truckee River	63510010	<b>Sedimentation/Siltation</b>		39 Miles	2006
				<i>Watershed disturbance including ski resorts, silvicultural activities, urban development, reservoir construction and management; highly erosive subwatersheds.</i>			
				<ul style="list-style-type: none"> <li>Range Grazing-Riparian and/or Upland</li> <li>Silviculture</li> <li>Construction/Land Development</li> <li>Highway/Road/Bridge Construction</li> <li>Streambank Modification/Destabilization</li> <li>Channel Erosion</li> <li>Erosion/Siltation</li> <li>Natural Sources</li> <li>Recreational and Tourism Activities (non-boating)</li> <li>Snow skiing activities</li> <li>Nonpoint Source</li> </ul>			
6	R	Truckee River, Upper (above Christmas Valley)	63410010	<b>Iron</b>		4.5 Miles	2019
					Natural Sources		
				<b>Pathogens</b>		4.5 Miles	2019
				<ul style="list-style-type: none"> <li>Grazing-Related Sources</li> <li>Natural Sources</li> <li>Recreational and Tourism Activities (non-boating)</li> </ul>			

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Phosphorus</b>		4.5 Miles	2019
				<i>Phosphorus loading from river to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for the Upper Truckee River.</i>			
					<b>Grazing-Related Sources</b>		
					<b>Silviculture</b>		
					<b>Natural Sources</b>		
6	R	Truckee River, Upper (below Christmas Valley)	63410042				
				<b>Iron</b>		11 Miles	2019
					<b>Erosion/Siltation</b>		
					<b>Natural Sources</b>		
					<b>Unknown Nonpoint Source</b>		
				<b>Phosphorus</b>		11 Miles	2019
				<i>Phosphorus loading from river to be addressed in development of Lake Tahoe TMDL, but a more specific TMDL may be needed for the Upper Truckee River.</i>			
					<b>Silviculture</b>		
					<b>Construction/Land Development</b>		
					<b>Hydromodification</b>		
					<b>Channelization</b>		
					<b>Removal of Riparian Vegetation</b>		
					<b>Streambank Modification/Destabilization</b>		
					<b>Erosion/Siltation</b>		
					<b>Atmospheric Deposition</b>		
					<b>Highway Maintenance and Runoff</b>		
					<b>Natural Sources</b>		
					<b>Unknown Nonpoint Source</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
6	L	Twin Lakes (Owens HU)	60310051	<b>Nitrogen</b>		26 Acres	2019
				<i>Monitoring needed to confirm extent of impairment and need for TMDL.</i>			
					Agriculture		
					Grazing-Related Sources		
					Construction/Land Development		
					Land Development		
					Other Urban Runoff		
					Atmospheric Deposition		
				<b>Phosphorus</b>		26 Acres	2019
				<i>Monitoring needed to confirm degree of impairment and need for TMDL.</i>			
					Agriculture		
					Grazing-Related Sources		
					Construction/Land Development		
					Land Development		
					Other Urban Runoff		
6	R	Ward Creek	63420020	<b>Iron</b>		5.7 Miles	2015
					Silviculture		
					Other Urban Runoff		
					Highway/Road/Bridge Runoff		
					Channel Erosion		
					Erosion/Siltation		
					Natural Sources		
				<b>Nitrogen</b>		5.7 Miles	2008
				<i>Nitrogen loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Ward Creek.</i>			
					Silviculture		
					Other Urban Runoff		
					Highway/Road/Bridge Runoff		
					Channel Erosion		
					Erosion/Siltation		
					Atmospheric Deposition		
					Natural Sources		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Phosphorus		5.7 Miles	2008
				<i>Phosphorus loading from creek to be addressed during development of Lake Tahoe TMDL, but a more specific TMDL may be needed for Ward Creek.</i>			
					Silviculture		
					Other Urban Runoff		
					Highway/Road/Bridge Runoff		
					Urban Runoff--Erosion and Sedimentation		
					Channel Erosion		
					Erosion/Siltation		
					Atmospheric Deposition		
					Natural Sources		
				Sedimentation/Siltation		5.7 Miles	2008
					Silviculture		
					Land Development		
					Urban Runoff/Storm Sewers		
					Highway/Road/Bridge Runoff		
					Channel Erosion		
					Nonpoint Source		
6	R	Wolf Creek (Alpine County)	63210031	Sedimentation/Siltation		12 Miles	2019
					Range Grazing-Riparian and/or Upland		
					Silviculture		
					Nonpoint Source		
7	R	Alamo River	72310000	Chlorpyrifos		57 Miles	2019
					Source Unknown		
				DDT		57 Miles	2019
					Source Unknown		
				Dieldrin		57 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				PCBs (Polychlorinated biphenyls)		57 Miles	2019
					Source Unknown		
				Toxaphene		57 Miles	2019
					Source Unknown		
7	R	All American Canal	72700000				
				Specific Conductivity		72 Miles	2019
					Source Unknown		
				Sulfates		72 Miles	2019
					Source Unknown		
				Total Dissolved Solids		72 Miles	2019
					Source Unknown		
7	R	Coachella Valley Storm Water Channel	71947000				
				Pathogens		69 Miles	2006
					Source Unknown		
				Toxaphene		69 Miles	2019
					Source Unknown		
7	R	Colorado River (Imperial Reservoir to California-Mexico Border)	72700000				
				Selenium		11 Miles	2019
					Source Unknown		
7	R	Imperial Valley Drains	72310000				
				DDT		1225 Miles	2019
				<i>The listing for DDT only applies to the Barbara Worth Drain, Peach Drain, and Rice Drain areas of the Imperial Valley drains.</i>			
					Source Unknown		
				Dieldrin		1225 Miles	2019
				<i>The listing for dieldrin only applies to the Barbara Worth Drain and Fig Drain areas of the Imperial Valley drains.</i>			
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Endosulfan</b>		1225 Miles	2019
				<i>The listing for endosulfan only applies to the Peach Drain area of the Imperial Valley drains.</i>			
				Source Unknown			
				<b>PCBs (Polychlorinated biphenyls)</b>		1225 Miles	2019
				<i>The listing for PCBs only applies to the Central Drain area of the Imperial Valley drains, from Meloland Road to the outlet into the Alamo River.</i>			
				Source Unknown			
				<b>Selenium</b>		1225 Miles	2019
				<i>Selenium originates from Upper Basin Portion of Colorado River. Elevated fish tissue levels.</i>			
				Agricultural Return Flows			
				<b>Toxaphene</b>		1225 Miles	2019
				<i>This listing for toxaphene only applies to the Barbara Worth Drain, Peach Drain, and Rice Drain of the Imperial Valley drains.</i>			
				Source Unknown			
7	R	New River (Imperial County)	72800000	<b>1,2,4-Trimethylbenzene</b>		66 Miles	2006
					<b>Industrial Point Sources</b>		
					Out-of-state source		
				<b>Chlordane</b>		66 Miles	2019
					Source Unknown		
				<b>Chloroform</b>		66 Miles	2006
					<b>Industrial Point Sources</b>		
					Out-of-state source		
				<b>Chlorpyrifos</b>		66 Miles	2019
					Source Unknown		
				<b>DDT</b>		66 Miles	2019
					Source Unknown		
				<b>Diazinon</b>		66 Miles	2019
					Source Unknown		

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REGION TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
			Dieldrin		66 Miles	2019
				Source Unknown		
			Mercury		66 Miles	2019
				Source Unknown		
			meta-para xylenes		66 Miles	2006
				Industrial Point Sources		
				Out-of-state source		
			Nutrients		66 Miles	2006
				<i>Regional Board proposes to establish TMDL in cooperation with U.S. EPA and Mexico.</i>		
				Major Municipal Point Source-dry and/or wet weather discharge		
				Agricultural Return Flows		
				Out-of-state source		
			Organic Enrichment/Low Dissolved Oxygen		66 Miles	2006
				Wastewater		
				Inappropriate Waste Disposal/Wildcat Dumping		
				Out-of-state source		
				Unknown point source		
			o-Xylenes		66 Miles	2006
				Industrial Point Sources		
				Out-of-state source		
			PCBs (Polychlorinated biphenyls)		66 Miles	2019
				Source Unknown		
			p-Cymene		66 Miles	2006
				Industrial Point Sources		
				Out-of-state source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				p-Dichlorobenzene/DCB		66 Miles	2006
					Industrial Point Sources		
					Out-of-state source		
				Pesticides		66 Miles	2019
					Agricultural Return Flows		
					Out-of-state source		
				Selenium		66 Miles	2019
					Source Unknown		
				Toluene		66 Miles	2006
					Industrial Point Sources		
					Out-of-state source		
				Toxaphene		66 Miles	2019
					Source Unknown		
				Toxicity		66 Miles	2019
					Source Unknown		
				Trash		66 Miles	2006
					Out-of-state source		
7	R	Palo Verde Outfall Drain	71540000	DDT		17 Miles	2019
					Source Unknown		
7	S	Salton Sea	72800000	Nutrients		233340 Acres	2006
					Major Industrial Point Source		
					Agricultural Return Flows		
					Out-of-state source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				<b>Salinity</b>		233340 Acres	2019
				<i>TMDL development will not be effective in addressing this problem, which will require an engineering solution with federal, local, and state cooperation.</i>			
					<b>Agricultural Return Flows</b>		
					<b>Out-of-state source</b>		
					<b>Point Source</b>		
				<b>Selenium</b>		233340 Acres	2019
					<b>Agricultural Return Flows</b>		
8	B	Anaheim Bay	80111000	<b>Copper</b>		402 Acres	2019
				<i>This listing was made by USEPA.</i>			
					<b>Source Unknown</b>		
				<b>Dieldrin (tissue)</b>		402 Acres	2019
				<i>This listing was made by USEPA.</i>			
					<b>Source Unknown</b>		
				<b>Nickel</b>		402 Acres	2019
				<i>This listing was made by USEPA.</i>			
					<b>Source Unknown</b>		
				<b>PCBs (Polychlorinated biphenyls) (tissue)</b>		402 Acres	2019
				<i>This listing was made by USEPA.</i>			
					<b>Source Unknown</b>		
				<b>Sediment Toxicity</b>		402 Acres	2019
					<b>Source Unknown</b>		
8	C	Balboa Beach	80114000	<b>DDT</b>		1.8 Miles	2019
					<b>Source Unknown</b>		
				<b>Dieldrin</b>		1.8 Miles	2019
					<b>Source Unknown</b>		
				<b>PCBs (Polychlorinated biphenyls)</b>		1.8 Miles	2019
					<b>Source Unknown</b>		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	L	Big Bear Lake	80171000	Copper		2865 Acres	2007
					Resource Extraction		
				Mercury		2865 Acres	2007
					Resource Extraction		
				Metals		2865 Acres	2007
					Resource Extraction		
				Noxious aquatic plants		2865 Acres	2006
					Construction/Land Development Unknown point source		
				Nutrients		2865 Acres	2006
					Construction/Land Development Snow skiing activities		
				PCBs (Polychlorinated biphenyls)		2865 Acres	2019
					Source Unknown		
				Sedimentation/Siltation		2865 Acres	2006
					Construction/Land Development Snow skiing activities Unknown Nonpoint Source		
8	C	Bolsa Chica State Beach	80111000	Copper		2.6 Miles	2019
					<i>This listing was made by USEPA.</i>		
					Source Unknown		
				Nickel		2.6 Miles	2019
					<i>This listing was made by USEPA.</i>		
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	R	Buck Gully Creek	80111000	<b>Fecal Coliform</b> <i>Listing is downstream of Pacific Coast Highway.</i>	<b>Source Unknown</b>	0.3 Miles	2019
				<b>Total Coliform</b> <i>Listing is downstream of Pacific Coast Highway.</i>	<b>Source Unknown</b>	0.3 Miles	2019
8	L	Canyon Lake (Railroad Canyon Reservoir)	80211000	<b>Pathogens</b>	<b>Nonpoint Source</b>	453 Acres	2006
8	R	Chino Creek Reach 1	80121000	<b>Nutrients</b>	<b>Agriculture</b> <b>Dairies</b>	7.8 Miles	2019
8	L	Elsinore, Lake	80231000	<b>PCBs (Polychlorinated biphenyls)</b>	<b>Source Unknown</b>	2431 Acres	2019
				<b>Unknown Toxicity</b>	<b>Unknown Nonpoint Source</b>	2431 Acres	2007
8	L	Fulmor, Lake	80221000	<b>Pathogens</b>	<b>Unknown Nonpoint Source</b>	4.2 Acres	2019
8	R	Grout Creek	80171000	<b>Metals</b>	<b>Unknown Nonpoint Source</b>	3.5 Miles	2007
				<b>Nutrients</b>	<b>Unknown Nonpoint Source</b>	3.5 Miles	2008

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	C	Huntington Beach State Park	80111000	<b>Enterococcus</b> <i>Impaired 50 yards around drain at Magnolia</i>	Source Unknown	5.8 Miles	2019
				<b>PCBs (Polychlorinated biphenyls)</b>	Source Unknown	5.8 Miles	2019
8	B	Huntington Harbour	80111000	<b>Chlordane</b>	Source Unknown	221 Acres	2019
				<b>Copper</b> <i>This listing was made by USEPA.</i>	Source Unknown	221 Acres	2019
				<b>Lead</b>	Source Unknown	221 Acres	2019
				<b>Nickel</b> <i>This listing was made by USEPA.</i>	Source Unknown	221 Acres	2019
				<b>Pathogens</b>	Urban Runoff/Storm Sewers	221 Acres	2019
				<b>PCBs (Polychlorinated biphenyls) (tissue)</b> <i>This listing was made by USEPA.</i>	Source Unknown	221 Acres	2019
				<b>Sediment Toxicity</b>	Source Unknown	221 Acres	2019
8	R	Knickerbocker Creek	80171000	<b>Metals</b>	Unknown Nonpoint Source	2 Miles	2007

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	R	Los Trancos Creek (Crystal Cove Creek)	80111000	<b>Fecal Coliform</b> <i>Listing is downstream of Pacific Coast Highway.</i> Source Unknown		0.19 Miles	2019
				<b>Total Coliform</b> <i>Listing is downstream of Pacific Coast Highway.</i> Source Unknown		0.19 Miles	2019
8	R	Lytle Creek	80141000	<b>Pathogens</b>	Unknown Nonpoint Source	41 Miles	2019
8	R	Mill Creek (Prado Area)	80121000	<b>Nutrients</b>	Agriculture Dairies	1.6 Miles	2019
				<b>Total Suspended Solids (TSS)</b>	Dairies	1.6 Miles	2019
8	R	Mill Creek Reach 1	80156000	<b>Pathogens</b>	Unknown Nonpoint Source	12 Miles	2019
8	R	Mill Creek Reach 2	80158000	<b>Pathogens</b>	Unknown Nonpoint Source	12 Miles	2019
8	R	Mountain Home Creek	80158000	<b>Pathogens</b>	Unknown Nonpoint Source	3.7 Miles	2019
8	R	Mountain Home Creek, East Fork	80158000	<b>Pathogens</b>	Unknown Nonpoint Source	5.1 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	B	Newport Bay, Lower	80114000	Chlordane		767 Acres	2019
					Source Unknown		
				Copper		767 Acres	2007
					Source Unknown		
				DDT		767 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		767 Acres	2019
					Source Unknown		
				Sediment Toxicity		767 Acres	2019
					Source Unknown		
8	E	Newport Bay, Upper (Ecological Reserve)	80111000	Chlordane		653 Acres	2019
					Source Unknown		
				Copper		653 Acres	2007
					Source Unknown		
				DDT		653 Acres	2019
					Source Unknown		
				Metals		653 Acres	2019
					Urban Runoff/Storm Sewers		
				PCBs (Polychlorinated biphenyls)		653 Acres	2019
					Source Unknown		
				Sediment Toxicity		653 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	R	Peters Canyon Channel	80111000	DDT		3 Miles	2019
					Source Unknown		
				Toxaphene		3 Miles	2019
					Source Unknown		
8	L	Prado Park Lake	80121000	Nutrients		90 Acres	2019
					Nonpoint Source		
8	R	Rathbone (Rathbun) Creek	80171000	Nutrients		4.7 Miles	2008
					Snow skiing activities Unknown Nonpoint Source		
				Sedimentation/Siltation		4.7 Miles	2006
					Snow skiing activities Unknown Nonpoint Source		
8	B	Rhine Channel	80114000	Copper		20 Acres	2019
					Source Unknown		
				Lead		20 Acres	2019
					Source Unknown		
				Mercury		20 Acres	2019
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		20 Acres	2019
					Source Unknown		
				Sediment Toxicity		20 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Zinc		20 Acres	2019
					Source Unknown		
8	R	San Diego Creek Reach 1	80111000	Fecal Coliform		7.8 Miles	2019
					Urban Runoff/Storm Sewers Other Urban Runoff		
				Selenium		7.8 Miles	2007
					Source Unknown		
				Toxaphene		7.8 Miles	2019
					Source Unknown		
8	R	San Diego Creek Reach 2	80111000	Metals		6.3 Miles	2007
					Urban Runoff/Storm Sewers		
8	R	Santa Ana River, Reach 4	80127000	Pathogens		14 Miles	2019
					Nonpoint Source		
8	R	Santiago Creek, Reach 4	80112000	Salinity/TDS/Chlorides		9.8 Miles	2019
					Source Unknown		
8	C	Seal Beach	80111000	Enterococcus		0.53 Miles	2019
				<i>Impaired 50 yards around drain at 1st Street.</i>			
					Source Unknown		
				PCBs (Polychlorinated biphenyls)		0.53 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
8	R	Silverado Creek	80112000	Pathogens	Unknown Nonpoint Source	11 Miles	2019
				Salinity/TDS/Chlorides	Unknown Nonpoint Source	11 Miles	2019
8	R	Summit Creek	80171000	Nutrients	Construction/Land Development	1.5 Miles	2008
9	R	Agua Hedionda Creek	90431000	Manganese	Source Unknown	7 Miles	2019
				Selenium	Source Unknown	7 Miles	2019
				Sulfates	Source Unknown	7 Miles	2019
				Total Dissolved Solids	Source Unknown	7 Miles	2019
					Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
9	E	Agua Hedionda Lagoon	90431000	Indicator bacteria	Nonpoint/Point Source	6.8 Acres	2006
				Sedimentation/Siltation	Nonpoint/Point Source	6.8 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	R	Aliso Creek	90113000	<b>Indicator bacteria</b>		19 Miles	2005
				<i>This listing for indicator bacteria applies to the Aliso Creek mainstem and all the major tributaries of Aliso Creek which are Sulphur Creek, Wood Canyon, Aliso Hills Canyon, Dairy Fork, and English Canyon.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
				<b>Unknown point source</b>			
				<b>Nonpoint/Point Source</b>			
				<b>Phosphorus</b>		19 Miles	2019
				<i>This listing for phosphorus applies to the Aliso Creek mainstem and all the major tributaries of Aliso Creek which are Sulphur Creek, Wood Canyon, Aliso Hills Canyon, Dairy Fork, and English Canyon.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
				<b>Unknown Nonpoint Source</b>			
				<b>Unknown point source</b>			
				<b>Toxicity</b>		19 Miles	2019
				<i>This listing for toxicity applies to the Aliso Creek mainstem and all the major tributaries of Aliso Creek which are Sulphur Creek, Wood Canyon, Aliso Hills Canyon, Dairy Fork, and English Canyon.</i>			
				<b>Urban Runoff/Storm Sewers</b>			
				<b>Unknown Nonpoint Source</b>			
				<b>Unknown point source</b>			
9	E	Aliso Creek (mouth)	90113000	<b>Indicator bacteria</b>		0.29 Acres	2005
				<b>Nonpoint/Point Source</b>			
9	L	Barrett Lake	91130000	<b>Color</b>		125 Acres	2019
				<b>Source Unknown</b>			
				<b>Manganese</b>		125 Acres	2019
				<b>Source Unknown</b>			
				<b>pH</b>		125 Acres	2019
				<b>Source Unknown</b>			
9	R	Buena Creek	90432000	<b>DDT</b>		4.8 Miles	2019
				<b>Source Unknown</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Nitrate and Nitrite		4.8 Miles	2019
					Source Unknown		
				Phosphate		4.8 Miles	2019
					Source Unknown		
				Sulfates		4.8 Miles	2019
					Source Unknown		
9	R	Buena Vista Creek	90421000				
				Sediment Toxicity		11 Miles	2019
					Source Unknown		
9	E	Buena Vista Lagoon	90421000				
				Indicator bacteria		202 Acres	2008
					Nonpoint/Point Source		
				Nutrients		202 Acres	2019
				<i>Estimated size of impairment is 150 acres located in upper portion of lagoon.</i>			
					Nonpoint/Point Source		
				Sedimentation/Siltation		202 Acres	2019
					Nonpoint/Point Source		
9	R	Chollas Creek	90822000				
				Copper		3.5 Miles	2004
					Nonpoint/Point Source		
				Indicator bacteria		3.5 Miles	2005
					Nonpoint/Point Source		
				Lead		3.5 Miles	2004
					Nonpoint/Point Source		
				Zinc		3.5 Miles	2004
					Nonpoint/Point Source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	R	Cloverdale Creek	90532000	Phosphorus		1.2 Miles	2019
					Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
				Total Dissolved Solids		1.2 Miles	2019
					Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
9	R	Cottonwood Creek (San Marcos Creek watershed)	90451000	DDT		1.9 Miles	2019
					Source Unknown		
				Phosphorus		1.9 Miles	2019
					Source Unknown		
				Sediment Toxicity		1.9 Miles	2019
					Source Unknown		
9	B	Dana Point Harbor	90114000	Indicator bacteria		119 Acres	2006
				<i>Impairment located at Baby Beach.</i>			
					Urban Runoff/Storm Sewers Marinas and Recreational Boating Unknown Nonpoint Source Unknown point source		
9	R	De Luz Creek	90221000	Iron		14 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Manganese		14 Miles	2019
					Source Unknown		
9	L	El Capitan Lake	90731000				
				Color		1454 Acres	2019
					Source Unknown		
				Manganese		1454 Acres	2019
					Source Unknown		
				pH		1454 Acres	2019
					Source Unknown		
				Total Dissolved Solids		1454 Acres	2019
					Source Unknown		
9	R	Encinitas Creek	90451000				
				Phosphorus		3 Miles	2019
					Source Unknown		
9	R	English Canyon	90113000				
				Benzo[b]fluoranthene		3.6 Miles	2019
					Source Unknown		
				Dieldrin		3.6 Miles	2019
					Source Unknown		
				Sediment Toxicity		3.6 Miles	2019
					Source Unknown		
9	R	Escondido Creek	90462000				
				DDT		26 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Manganese		26 Miles	2019
					Source Unknown		
				Phosphate		26 Miles	2019
					Source Unknown		
				Selenium		26 Miles	2019
					Source Unknown		
				Sulfates		26 Miles	2019
					Source Unknown		
				Total Dissolved Solids		26 Miles	2019
					Source Unknown		
9	E	Famosa Slough and Channel	90711000	Eutrophic		32 Acres	2019
					Nonpoint Source		
9	R	Felicita Creek	90523000	Aluminum		0.92 Miles	2019
					Source Unknown		
				Total Dissolved Solids		0.92 Miles	2019
					Agricultural Return Flows		
					Urban Runoff/Storm Sewers		
					Flow Regulation/Modification		
					Unknown Nonpoint Source		
					Unknown point source		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	R	Forester Creek	90712000	<b>Fecal Coliform</b> <i>Impairment Located at lower 1 mile.</i>	<b>Urban Runoff/Storm Sewers</b> <b>Spills</b> <b>Unknown Nonpoint Source</b> <b>Unknown point source</b>	6.4 Miles	2005
				<b>Oxygen, Dissolved</b>	<b>Source Unknown</b>	6.4 Miles	2019
				<b>pH</b> <i>Impairment Located at upper 3 miles.</i>	<b>Industrial Point Sources</b> <b>Habitat Modification</b> <b>Spills</b> <b>Unknown Nonpoint Source</b> <b>Unknown point source</b>	6.4 Miles	2019
				<b>Phosphorus</b>	<b>Source Unknown</b>	6.4 Miles	2019
				<b>Total Dissolved Solids</b> <i>Impairment Located at lower 1 mile.</i>	<b>Agricultural Return Flows</b> <b>Urban Runoff/Storm Sewers</b> <b>Flow Regulation/Modification</b> <b>Unknown Nonpoint Source</b> <b>Unknown point source</b>	6.4 Miles	2019
9	R	Green Valley Creek	90521000	<b>Chloride</b>	<b>Source Unknown</b>	0.98 Miles	2019
				<b>Manganese</b>	<b>Source Unknown</b>	0.98 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Pentachlorophenol (PCP)		0.98 Miles	2019
					Source Unknown		
				Sulfates		0.98 Miles	2019
					Urban Runoff/Storm Sewers Natural Sources Unknown Nonpoint Source Unknown point source		
9	L	Guajome Lake	90311000	Eutrophic		33 Acres	2019
					Nonpoint/Point Source		
9	L	Hodges, Lake	90521000	Color		1104 Acres	2019
					Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
				Manganese		1104 Acres	2019
					Source Unknown		
				Nitrogen		1104 Acres	2019
					Agriculture Dairies Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
				pH		1104 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Phosphorus		1104 Acres	2019
					Agriculture Dairies Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
				Total Dissolved Solids		1104 Acres	2019
					Agricultural Return Flows Urban Runoff/Storm Sewers Flow Regulation/Modification Natural Sources Unknown Nonpoint Source Unknown point source		
				Turbidity		1104 Acres	2019
					Source Unknown		
9	R	Kit Carson Creek	90521000	Pentachlorophenol (PCP)		0.99 Miles	2019
					Source Unknown		
				Total Dissolved Solids		0.99 Miles	2019
					Agricultural Return Flows Urban Runoff/Storm Sewers Flow Regulation/Modification Unknown Nonpoint Source Unknown point source		
9	R	Kitchen Creek	91160000	pH		9.7 Miles	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	R	Laguna Canyon Channel	90112000	Sediment Toxicity		5.7 Miles	2019
					Source Unknown		
9	E	Loma Alta Slough	90410000	Eutrophic		8.2 Acres	2019
				Indicator bacteria	Nonpoint Source	8.2 Acres	2008
					Nonpoint Source		
9	R	Long Canyon Creek	90283000	Total Dissolved Solids		8.3 Miles	2019
					Source Unknown		
9	R	Los Penasquitos Creek	90610000	Phosphate		12 Miles	2019
					Source Unknown		
				Total Dissolved Solids		12 Miles	2019
					Source Unknown		
9	E	Los Penasquitos Lagoon	90610000	Sedimentation/Siltation		469 Acres	2019
					Nonpoint/Point Source		
9	L	Loveland Reservoir	90931000	Aluminum		420 Acres	2019
					Source Unknown		
				Manganese		420 Acres	2019
					Source Unknown		
				Oxygen, Dissolved		420 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	L	Miramar Reservoir	90610000	Sulfates		138 Acres	2019
					Source Unknown		
				Total Dissolved Solids		138 Acres	2019
					Source Unknown		
9	B	Mission Bay (area at mouth of Rose Creek only)	90640000	Eutrophic		9.2 Acres	2019
					Nonpoint/Point Source		
				Lead		9.2 Acres	2019
					Nonpoint/Point Source		
9	B	Mission Bay (area at mouth of Tecolote Creek only)	90650000	Eutrophic		3.1 Acres	2019
					Nonpoint/Point Source		
				Lead		3.1 Acres	2019
					Nonpoint/Point Source		
9	L	Morena Reservoir	91150000	Color		104 Acres	2019
					Source Unknown		
				Manganese		104 Acres	2019
					Source Unknown		
				pH		104 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	L	Murray Reservoir	90711000	pH		119 Acres	2019
					Source Unknown		
				Total Dissolved Solids		119 Acres	2019
					Source Unknown		
9	R	Murrieta Creek	90252000	Iron		12 Miles	2019
					Source Unknown		
				Manganese		12 Miles	2019
					Source Unknown		
				Nitrogen		12 Miles	2019
					Source Unknown		
				Phosphorus		12 Miles	2019
					Urban Runoff/Storm Sewers		
					Unknown Nonpoint Source		
					Unknown point source		
9	R	Oso Creek (at Mission Viejo Golf Course)	90120000	Chloride		1 Miles	2019
					Source Unknown		
				Sulfates		1 Miles	2019
					Source Unknown		
				Total Dissolved Solids		1 Miles	2019
					Source Unknown		
9	L	Otay Reservoir, Lower	91031000	Color		1050 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Iron		1050 Acres	2019
					Source Unknown		
				Manganese		1050 Acres	2019
					Source Unknown		
				Nitrogen, ammonia (Total Ammonia)		1050 Acres	2019
					Source Unknown		
				pH (high)		1050 Acres	2019
					Source Unknown		
9	C	Pacific Ocean Shoreline, Aliso HSA	90113000	<b>Indicator bacteria</b>		0.65 Miles	2005
				<i>Impairment located at Laguna Beach at Lagunita Place / Blue Lagoon Place, Aliso Beach.</i>			
				<b>Nonpoint/Point Source</b>			
9	C	Pacific Ocean Shoreline, Buena Vista Creek HA	90421000	<b>Indicator bacteria</b>		1.2 Miles	2008
				<i>Impairment located at Buena Vista Creek, Carlsbad City Beach at Carlsbad Village Drive, Carlsbad State Beach at Pine Avenue.</i>			
				<b>Nonpoint/Point Source</b>			
9	C	Pacific Ocean Shoreline, Dana Point HSA	90114000	<b>Indicator bacteria</b>		2 Miles	2005
				<i>Impairment located at Aliso Beach at West Street, Aliso Beach at Table Rock Drive, 1000 Steps Beach at Pacific Coast Hwy (Hospital, 9th Ave), Salt Creek (large outlet), Salt Creek Beach at Salt Creek service road, Salt Creek Beach at Dana Strand Road.</i>			
				<b>Nonpoint/Point Source</b>			
9	C	Pacific Ocean Shoreline, Escondido Creek HA	90461000	<b>Indicator bacteria</b>		0.44 Miles	2008
				<i>Impairment located at San Elijo Lagoon outlet.</i>			
				<b>Nonpoint/Point Source</b>			

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	C	Pacific Ocean Shoreline, Imperial Beach Pier	91010000	PCBs (Polychlorinated biphenyls)		0.42 Miles	2019
Source Unknown							
9	C	Pacific Ocean Shoreline, Laguna Beach HSA	90112000	Indicator bacteria		1.8 Miles	2005
<p style="text-align: center;"><i>Impairment located at Main Laguna Beach, Laguna Beach at Ocean Avenue, Laguna Beach at Laguna Avenue, Laguna Beach at Cleo Street, Arch Cove at Bluebird Canyon Road, Laguna Beach at Dumond Drive.</i></p> <p style="text-align: center;">Nonpoint/Point Source</p>							
9	C	Pacific Ocean Shoreline, Loma Alta HA	90410000	Indicator bacteria		1.1 Miles	2008
<p style="text-align: center;"><i>Impairment located at Loma Alta Creek Mouth.</i></p> <p style="text-align: center;">Nonpoint/Point Source</p>							
9	C	Pacific Ocean Shoreline, Lower San Juan HSA	90120000	Indicator bacteria		1.2 Miles	2008
<p style="text-align: center;"><i>Impairment located at North Beach Creek, San Juan Creek (large outlet), Capistrano Beach, South Capistrano Beach at Beach Road.</i></p> <p style="text-align: center;">Nonpoint/Point Source</p>							
9	C	Pacific Ocean Shoreline, San Clemente HA	90130000	Indicator bacteria		3.7 Miles	2005
<p style="text-align: center;"><i>Impairment located at Poche Beach (large outlet), Ole Hanson Beach Club Beach at Pico Drain, San Clemente City Beach at El Portal St. Stairs, San Clemente City Beach at Mariposa St., San Clemente City Beach at Linda Lane, San Clemente City Beach at South Linda Lane, San Clemente City Beach at Lifeguard Headquarters, Under San Clemente Municipal Pier, San Clemente City Beach at Trafalgar Canyon (Trafalgar Ln.), San Clemente State Beach at Riviera Beach, San Clemente State Beach at Cypress Shores.</i></p> <p style="text-align: center;">Nonpoint/Point Source</p>							
9	C	Pacific Ocean Shoreline, San Diego HU	90711000	Indicator bacteria		0.37 Miles	2005
<p style="text-align: center;"><i>Impairment located at San Diego River Mouth (aka Dog Beach).</i></p> <p style="text-align: center;">Nonpoint/Point Source</p>							
9	C	Pacific Ocean Shoreline, San Dieguito HU	90511000	Indicator bacteria		0.86 Miles	2005
<p style="text-align: center;"><i>Impairment located at San Dieguito Lagoon Mouth, Solana Beach.</i></p> <p style="text-align: center;">Nonpoint/Point Source</p>							

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	C	Pacific Ocean Shoreline, San Joaquin Hills HSA	90111000	Indicator bacteria <i>Impairment located at Cameo Cove at Irvine Cove Dr./Riviera Way, Heisler Park-North</i>	Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source	0.63 Miles	2005
9	C	Pacific Ocean Shoreline, San Luis Rey HU	90311000	Indicator bacteria <i>Impairment located at San Luis Rey River Mouth.</i>	Nonpoint/Point Source	0.49 Miles	2005
9	C	Pacific Ocean Shoreline, San Marcos HA	90451000	Indicator bacteria <i>Impairment located at Moonlight State Beach.</i>	Nonpoint/Point Source	0.5 Miles	2005
9	C	Pacific Ocean Shoreline, Scripps HA	90630000	Indicator bacteria <i>This listing for indicator bacteria only applies to the Childrens Pool Beach area of this ocean shoreline segment.</i>	Nonpoint/Point Source	3.9 Miles	2019
9	C	Pacific Ocean Shoreline, Tijuana HU	91111000	Indicator bacteria <i>Impairment located from the border, extending north along the shore.</i>	Nonpoint/Point Source	3 Miles	2010
9	R	Pine Valley Creek (Upper)	91141000	Enterococcus	Grazing-Related Sources Concentrated Animal Feeding Operations (permitted, point source) Transient encampments	2.9 Miles	2010
				Phosphorus	Source Unknown	2.9 Miles	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
				Turbidity		2.9 Miles	2019
					Source Unknown		
9	R	Pogi Canyon Creek	91020000	DDT		7.8 Miles	2019
					Source Unknown		
9	R	Prima Deshecha Creek	90130000	Phosphorus	Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source	1.2 Miles	2019
				Turbidity	Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source	1.2 Miles	2019
9	R	Rainbow Creek	90222000	Iron		5 Miles	2019
					Source Unknown		
				Sulfates		5 Miles	2019
					Source Unknown		
				Total Dissolved Solids		5 Miles	2019
					Source Unknown		
9	R	Reidy Canyon Creek	90462000	Phosphorus		3.9 Miles	2019
					Source Unknown		
9	B	San Diego Bay	91010000	PCBs (Polychlorinated biphenyls)		10783 Acres	2019
					Source Unknown		

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	B	San Diego Bay Shoreline, 32nd St San Diego Naval Station	90822000	Benthic Community Effects	Nonpoint/Point Source	103 Acres	2019
				Sediment Toxicity	Nonpoint/Point Source	103 Acres	2019
9	B	San Diego Bay Shoreline, at Americas Cup Harbor	90810000	Copper	Source Unknown	88 Acres	2019
9	B	San Diego Bay Shoreline, at Coronado Cays	91010000	Copper	Source Unknown	47 Acres	2019
9	B	San Diego Bay Shoreline, at Glorietta Bay	91010000	Copper	Source Unknown	52 Acres	2019
9	B	San Diego Bay Shoreline, at Harbor Island (East Basin)	90821000	Copper	Source Unknown	73 Acres	2019
9	B	San Diego Bay Shoreline, at Harbor Island (West Basin)	90810000	Copper	Source Unknown	132 Acres	2019
9	B	San Diego Bay Shoreline, at Marriott Marina	90821000	Copper	Source Unknown	24 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	B	San Diego Bay Shoreline, between Sampson and 28th Streets	90822000	Copper	Nonpoint/Point Source	53 Acres	2005
				Mercury	Nonpoint/Point Source	53 Acres	2006
				PAHs (Polycyclic Aromatic Hydrocarbons)	Nonpoint/Point Source	53 Acres	2006
				PCBs (Polychlorinated biphenyls)	Nonpoint/Point Source	53 Acres	2019
				Zinc	Nonpoint/Point Source	53 Acres	2019
9	C	San Diego Bay Shoreline, Chula Vista Marina	90912000	Copper	Source Unknown	0.41 Miles	2019
9	B	San Diego Bay Shoreline, Downtown Anchorage	90821000	Benthic Community Effects	Nonpoint/Point Source	7.4 Acres	2019
				Sediment Toxicity	Nonpoint/Point Source	7.4 Acres	2019
9	C	San Diego Bay Shoreline, G Street Pier	90821000	Indicator bacteria	Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source	0.42 Miles	2006

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9	B	San Diego Bay Shoreline, near Chollas Creek	90822000	Benthic Community Effects	Nonpoint/Point Source	15 Acres	2006
				Sediment Toxicity	Nonpoint/Point Source	15 Acres	2006
9	B	San Diego Bay Shoreline, near Coronado Bridge	90822000	Benthic Community Effects	Nonpoint/Point Source	37 Acres	2019
				Sediment Toxicity	Nonpoint/Point Source	37 Acres	2019
				<i>Includes Crosby Street/Cesar Chavez Park area, that will receive additional monitoring.</i>			
9	B	San Diego Bay Shoreline, near sub base	90810000	Benthic Community Effects	Nonpoint/Point Source	16 Acres	2019
				Sediment Toxicity	Nonpoint/Point Source	16 Acres	2019
9	B	San Diego Bay Shoreline, near Switzer Creek	90821000	Chlordane	Urban Runoff/Storm Sewers Other Boatyards Nonpoint/Point Source	5.5 Acres	2019
				Lindane/Hexachlorocyclohexane (HCH)	Urban Runoff/Storm Sewers Other Boatyards Nonpoint/Point Source	5.5 Acres	2019

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				PAHs (Polycyclic Aromatic Hydrocarbons)	Urban Runoff/Storm Sewers Other Boatyards Nonpoint/Point Source	5.5 Acres	2019
9	B	San Diego Bay Shoreline, North of 24th Street Marine Terminal	90832000	Benthic Community Effects	Nonpoint/Point Source	9.5 Acres	2019
				Sediment Toxicity	Nonpoint/Point Source	9.5 Acres	2019
9	B	San Diego Bay Shoreline, Seventh Street Channel	90831000	Benthic Community Effects	Nonpoint/Point Source	9 Acres	2008
				Sediment Toxicity	Nonpoint/Point Source	9 Acres	2008
9	C	San Diego Bay Shoreline, Shelter Island Shoreline Park	90810000	Indicator bacteria	Unknown Nonpoint Source Unknown point source	0.42 Miles	2006
9	B	San Diego Bay Shoreline, Vicinity of B St and Broadway Piers	90821000	Benthic Community Effects	Nonpoint/Point Source	9.9 Acres	2019
				Indicator bacteria	<i>Estimated size of impairment is 0.4 miles around the shoreline of the bay.</i> Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source	9.9 Acres	2006
				Sediment Toxicity	Nonpoint/Point Source	9.9 Acres	2019

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REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	R	San Diego River (Lower)	90711000	<b>Fecal Coliform</b> <i>Lower 6 miles.</i>	<b>Urban Runoff/Storm Sewers</b> <b>Wastewater</b> <b>Nonpoint/Point Source</b>	16 Miles	2005
				<b>Low Dissolved Oxygen</b> <i>Impairment transcends adjacent Calwater watershed 90712.</i>	<b>Urban Runoff/Storm Sewers</b> <b>Unknown Nonpoint Source</b> <b>Unknown point source</b>	16 Miles	2019
				<b>Phosphorus</b> <i>Impairment transcends adjacent Calwater watershed 90712.</i>	<b>Urban Runoff/Storm Sewers</b> <b>Unknown Nonpoint Source</b> <b>Unknown point source</b>	16 Miles	2019
				<b>Total Dissolved Solids</b> <i>Impairment transcends adjacent Calwater watershed 90712.</i>	<b>Urban Runoff/Storm Sewers</b> <b>Flow Regulation/Modification</b> <b>Natural Sources</b> <b>Unknown Nonpoint Source</b> <b>Unknown point source</b>	16 Miles	2019
9	E	San Elijo Lagoon	90461000	<b>Eutrophic</b> <i>Estimated size of impairment is 330 acres.</i>	<b>Nonpoint/Point Source</b>	566 Acres	2019
				<b>Indicator bacteria</b> <i>Estimated size of impairment is 150 acres.</i>	<b>Nonpoint/Point Source</b>	566 Acres	2008
				<b>Sedimentation/Siltation</b> <i>Estimated size of impairment is 150 acres.</i>	<b>Nonpoint/Point Source</b>	566 Acres	2019

# PROPOSED 2006 CWA SECTION 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS

SWRCB DRAFT 303(d) LIST RELEASE DATE: SEPTEMBER 15, 2006

REGION	TYPE	NAME	CALWATER WATERSHED	POLLUTANT/STRESSOR	POTENTIAL SOURCES	ESTIMATED SIZE AFFECTED	PROPOSED TMDL COMPLETION
9	R	San Juan Creek	90120000	DDE		1 Miles	2019
					Source Unknown		
				Indicator bacteria		1 Miles	2005
					Nonpoint/Point Source		
9	E	San Juan Creek (mouth)	90120000	Indicator bacteria		6.3 Acres	2008
					Nonpoint/Point Source		
9	R	San Luis Rey River	90311000	Chloride		19 Miles	2019
				<i>Impairment located at lower 13 miles.</i>			
					Urban Runoff/Storm Sewers		
					Unknown Nonpoint Source		
					Unknown point source		
				Total Dissolved Solids		19 Miles	2019
					Industrial Point Sources		
					Agriculture-storm runoff		
					Urban Runoff/Storm Sewers		
					Surface Mining		
					Flow Regulation/Modification		
					Natural Sources		
					Golf course activities		
					Unknown Nonpoint Source		
					Unknown point source		
9	R	San Marcos Creek	90451000	DDE		19 Miles	2019
					Source Unknown		
				Phosphorus		19 Miles	2019
					Source Unknown		

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				Sediment Toxicity		19 Miles	2019
					Source Unknown		
9	L	San Marcos Lake	90452000				
				Ammonia as Nitrogen		17 Acres	2019
					Source Unknown		
				Nutrients		17 Acres	2019
					Source Unknown		
				Phosphorus		17 Acres	2019
					Source Unknown		
9	L	San Vicente Reservoir	90721000				
				Chloride		1058 Acres	2019
					Source Unknown		
				Color		1058 Acres	2019
					Source Unknown		
				Manganese		1058 Acres	2019
					Source Unknown		
				pH (high)		1058 Acres	2019
					Source Unknown		
				Sulfates		1058 Acres	2019
					Source Unknown		
				Total Dissolved Solids		1058 Acres	2019
					Source Unknown		
9	R	Sandia Creek	90222000				
				Iron		1.5 Miles	2019
					Source Unknown		

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				Manganese		1.5 Miles	2019
					Source Unknown		
				Nitrogen		1.5 Miles	2019
					Source Unknown		
				Sulfates		1.5 Miles	2019
					Source Unknown		
				Total Dissolved Solids		1.5 Miles	2019
					Urban Runoff/Storm Sewers Flow Regulation/Modification Natural Sources Unknown Nonpoint Source Unknown point source		
9	E	Santa Margarita Lagoon	90211000	Eutrophic		28 Acres	2019
					Nonpoint/Point Source		
9	R	Santa Margarita River (Upper)	90222000	Phosphorus		18 Miles	2019
					Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		
9	R	Segunda Deshecha Creek	90130000	Phosphorus		0.92 Miles	2019
					Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source		

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				Turbidity	Construction/Land Development Urban Runoff/Storm Sewers Channelization Flow Regulation/Modification Unknown Nonpoint Source Unknown point source	0.92 Miles	2019
9	R	Soledad Canyon	90610000	Sediment Toxicity		1.7 Miles	2019
					Source Unknown		
9	L	Sutherland Reservoir	90553000	Color	Urban Runoff/Storm Sewers Unknown Nonpoint Source Unknown point source	561 Acres	2019
				Manganese		561 Acres	2019
				pH	Source Unknown	561 Acres	2019
					Source Unknown		
9	L	Sweetwater Reservoir	90921000	Oxygen, Dissolved		925 Acres	2019
					Source Unknown		
				Total Dissolved Solids		925 Acres	2019
					Source Unknown		
9	R	Tecolote Creek	90650000	Cadmium		6.6 Miles	2019
					Nonpoint/Point Source		

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				Copper		6.6 Miles	2019
					Nonpoint/Point Source		
				Indicator bacteria		6.6 Miles	2006
					Nonpoint/Point Source		
				Lead		6.6 Miles	2019
					Nonpoint/Point Source		
				Phosphorus		6.6 Miles	2019
					Source Unknown		
				Toxicity		6.6 Miles	2019
					Nonpoint/Point Source		
				Turbidity		6.6 Miles	2019
					Source Unknown		
				Zinc		6.6 Miles	2019
					Nonpoint/Point Source		
9	R	Temecula Creek	90251000				
				Nitrogen		44 Miles	2019
					Source Unknown		
				Phosphorus		44 Miles	2019
					Source Unknown		
				Total Dissolved Solids		44 Miles	2019
					Source Unknown		
9	R	Tijuana River	91111000				
				Eutrophic		6 Miles	2019
					Nonpoint/Point Source		

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				Indicator bacteria		6 Miles	2010
					Nonpoint/Point Source		
				Low Dissolved Oxygen		6 Miles	2019
					Nonpoint/Point Source		
				Pesticides		6 Miles	2019
					Nonpoint/Point Source		
				Solids		6 Miles	2019
					Nonpoint/Point Source		
				Synthetic Organics		6 Miles	2019
					Nonpoint/Point Source		
				Trace Elements		6 Miles	2019
					Nonpoint/Point Source		
				Trash		6 Miles	2019
					Nonpoint/Point Source		
9	E	Tijuana River Estuary	9111000	<b>Eutrophic</b>		1319 Acres	2019
				<i>Estimated size of impairment is 1 acre.</i>			
					Nonpoint/Point Source		
				<b>Indicator bacteria</b>		1319 Acres	2010
				<i>Estimated size of impairment is 150 acres.</i>			
					Nonpoint/Point Source		
				<b>Lead</b>		1319 Acres	2019
				<i>Estimated size of impairment is 1 acre.</i>			
					Nonpoint/Point Source		

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			Low Dissolved Oxygen		1319 Acres	2019
				Urban Runoff/Storm Sewers Wastewater Unknown Nonpoint Source Unknown point source		
			Nickel		1319 Acres	2019
			<i>Estimated size of impairment is 1 acre.</i>			
				Nonpoint/Point Source		
			Pesticides		1319 Acres	2019
			<i>Estimated size of impairment is 1 acre.</i>			
				Nonpoint/Point Source		
			Thallium		1319 Acres	2019
			<i>Estimated size of impairment is 1 acre.</i>			
				Nonpoint/Point Source		
			Trash		1319 Acres	2019
			<i>Estimated size of impairment is 1 acre.</i>			
				Nonpoint/Point Source		
			Turbidity		1319 Acres	2019
				Source Unknown		

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## ABBREVIATIONS

### REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

### WATER BODY TYPE

- B = Bays and Harbors
- C = Coastal Shorelines/Beaches
- E = Estuaries
- L = Lakes/Reservoirs
- R = Rivers and Streams
- S = Saline Lakes
- T = Wetlands, Tidal
- W = Wetlands, Freshwater

### CALWATER WATERSHED

"Calwater Watershed" is the State Water Resources Control Board hydrological subunit area or an even smaller area delineation.

### GROUP A PESTICIDES OR CHEM A

aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene